

## SUBJECT INDEX

## Abutments

Editor's Note, Dennis R. Mertz, BE Sept./Oct. 01, p297.

## Aerodynamic forces

Dynamic Tests on Large Cable-Stayed Bridge, A. Cunha, E. Caetano and R. Delgado, BE Jan./Feb. 01, p54-62.

## Aircraft

Design Considerations for Aircraft Bridges, Bruce A. Moulds, BE Nov./Dec. 01, p498-505.

## Airports

Design Considerations for Aircraft Bridges, Bruce A. Moulds, BE Nov./Dec. 01, p498-505.

## Analysis

Preliminary Analysis of Suspension Bridges, Gregor P. Wollmann, BE July/Aug. 01, p227-233.

## Anchors

Self-Anchored Suspension Bridges, John A. Ochsendorf and David P. Billington, BE Aug. 99, p151-156.

## ASCE Members

New Editor and Associate Editors Sought, *Journal of Bridge Engineering*, Dennis R. Mertz, P.E., BE July/Aug. 01, p226.

## ASCE Publications

Editorial, Khaled M. Mahmoud, P.E., BE Nov./Dec. 01, p363-364.

Editor's Note, Dennis R. Mertz, P.E., BE July/Aug. 01, p226.

Editor's Note, Dennis R. Mertz, BE Sept./Oct. 01, p297.

New Editor and Associate Editors Sought, *Journal of Bridge Engineering*, Dennis R. Mertz, P.E., BE July/Aug. 01, p226.

## Assessments

Assessment of Cable Maintenance Technologies for Honshu-Shikoku Bridges, Makoto Kitagawa, Shuichi Suzuki and Motoi Okuda, BE Nov./Dec. 01, p418-424.

Load Rating of Masonry Arch Bridges, Thomas E. Boothby, BE Mar./Apr. 01, p79-86.

Reliability-Based Assessment of Suspension Bridges: Application to the Innoshima Bridge, Kiyohiro Imai and Dan M. Frangopol, BE Nov./Dec. 01, p398-411.

## Axial loads

Computer-Aided Graphical Analysis of Bridges under Vehicular Loading, Amir M. Malek, P.E. and David V. Jauregui, BE May/June 01, p207-212.

## Backfills

Radar Testing of a Masonry Composite Structure with Sand and Water Backfill, C. Colla, D. M. McCann and M. C. Forde, BE July/Aug. 01, p262-270.

## Beam columns

Seismic Behavior and Retrofit of Outrigger Beam-Column Frames, A. Griezic, W. D. Cook and D. Mitchell, BE Sept./Oct. 01, p340-348.

## Beams

Strength and Ductility of RC Beams Repaired with Bonded CFRP Laminates, G. Spadea, R. N. Swamy and F. Bencardino, BE Sept./Oct. 01, p349-355.

Strengthening by Means of External Prestressing, M. A. Pisani, BE May 99, p131-135.

## Bearing capacity

Load Rating of Masonry Arch Bridges, Thomas E. Boothby, BE Mar./Apr. 01, p79-86.

Quantifying Field-Test Behavior for Rating Steel Girder Bridges, Michael G. Barker, P.E., BE July/Aug. 01, p254-261.

## Bearings

Bearing Replacement for Prestressed Concrete I-Girder Bridges, Sun-Kyu Park, Hyeon-Yeol Kim and Jung-Hyuk Kim, BE July/Aug. 01, p271-275.

Monitoring and Analysis of a Bridge with Partially Restrained Bearings, Yongda Fu and John T. DeWolf, BE Jan./Feb. 01, p23-29.

Nonpre Bearing Pad Slippage at Louisiana Bridges, Ernest Heymsfield, Jamie McDonald and R. Richard Arent, BE Jan./Feb. 01, p30-36.

## Bending

Bending Fatigue of Cable Stays, J. Dowd, M. Poser, K. H. Frank, S. L. Wood and E. B. Williamson, BE Nov./Dec. 01, p639-644.

## Bridge construction

Editorial, Khaled M. Mahmoud, P.E., BE Nov./Dec. 01, p363-364.

## Bridge decks

Bearing Replacement for Prestressed Concrete I-Girder Bridges, Sun-Kyu Park, Hyeon-Yeol Kim and Jung-Hyuk Kim, BE July/Aug. 01, p271-275.

Behavior of Composite Bridge Decks with Alternative Shear Connectors, Christopher Higgins and Heath Mitchell, BE Jan./Feb. 01, p17-22.

Design Recommendations for Externally Restrained Highway Bridge Deck, J. Thorburn, P.E. and A. A. Mufti, P.E., BE July/Aug. 01, p243-249.

Erection of Cable-Stayed Bridges Having Composite Decks with Precast Concrete Slabs, M. Schlaich, BE Sept./Oct. 01, p333-339.

Preservative Effect on Stress-Laminated Southern Pine Bridge Decks, Nur Yazdani, P.E., Joy Kadnar, P.E., James Kainz and Mike Ritter, P.E., BE Mar./Apr. 01, p144-153.

Strength and Serviceability of FRP Grid Reinforced Bridge Decks, Joseph Robert Yost and Edwin R. Schmeckpeper, BE Nov./Dec. 01, p605-612.

## Bridge design

Alternate Substructure Systems for Standard Highway Bridges, S. L. Billington, R. W. Barnes and J. E. Breen, BE Mar./Apr. 01, p87-94.

Design Considerations for Aircraft Bridges, Bruce A. Moulds, BE Nov./Dec. 01, p498-505.

Design Method of a Hanger System for Long-Span Suspension Bridge, Munenobu Kondoh, Motoi Okuda, Kouji Kawaguchi and Takefumi Yamazaki, BE May/June 01, p176-182.

Design Recommendations for Externally Restrained Highway Bridge Deck, J. Thorburn, P.E. and A. A. Mufti, P.E., BE July/Aug. 01, p243-249.

Evaluation of Site Factors for Seismic Bridge Design in New York City Area, Sissy Nikolau, George Mylonakis and Peter Edinger, BE Nov./Dec. 01, p564-576.

Performance-Based Design Approach in Seismic Analysis of Bridges, Amy Floren and Jamshid Mohammadi, BE Jan./Feb. 01, p37-45.

Preliminary Design of the Prestressed Concrete Stress Ribbon Bridge, Diego Cobo del Arco, Angel C. Aparicio and Antonio R. Marí, BE July/Aug. 01, p234-242.

Self-Anchored Suspension Bridges, John A. Ochsendorf and David P. Billington, BE Aug. 99, p151-156.

State-of-the-Art in Design of Curved Box-Girder Bridges, Khaled M. Sennah and John B. Kennedy, BE May/June 01, p159-167.

Steel Single Box Ramp Bridges, B. O. Kuzmanović and M.R. Sanchez, BE July/Aug. 01, p250-253.

## Bridge foundations

Effect of Foundation Type and Compliance on Seismic Response of RC Bridges, Andreas J. Kappos and Anastasios G. Sextos, BE Mar./Apr. 01, p120-130.

## Bridge inspection

Bridge Lifetime System Reliability under Multiple Limit States, Allen C. Estes and Dan M. Frangopol, BE Nov./Dec. 01, p523-528.

Performance of Segmental and Posttensioned Bridges in Europe, Alan Moreton, BE Nov./Dec. 01, p543-555.

## Bridge loads

Comparison of Static and Dynamic Lateral Stiffness of a Driven Pile, Edwin G. Burdette, Shahram Pezeshk, J. Harold Deatherage and David W. Goodpasture, BE Mar./Apr. 01, p131-135.

## Bridge maintenance

Bridge Lifetime System Reliability under Multiple Limit States, Allen C. Estes and Dan M. Frangopol, BE Nov./Dec. 01, p523-528.

Strengthening by Means of External Prestressing, M. A. Pisani, BE May 99, p131-135.

## Bridge tests

Cable Erection Test at Pylon Saddle for Spatial Suspension Bridge, Heungbae Gil and Youngjae Choi, BE May/June 01, p183-188.

## Bridge towers

Seismic and Structural Engineering of a Curved Cable-Stayed Bridge, Abolhasan Astaneh-Asl and R. Gary Black, BE Nov./Dec. 01, p439-450.

## Bridges

Computer-Aided Graphical Analysis of Bridges under Vehicular Loading, Amir M. Malek, P.E. and David V. Jauregui, BE May/June 01, p207-212.

Design, Specification, Installation, and Maintenance of Modular Bridge Expansion Joint Systems, Robert J. Dexter, Carl B. Osberg and Mark J. Mutziger, BE Nov./Dec. 01, p529-538.

Monitoring and Analysis of a Bridge with Partially Restrained Bearings, Yongda Fu and John T. DeWolf, BE Jan./Feb. 01, p23-29.

Seismic Behavior and Retrofit of Outrigger Beam-Column Frames, A. Griezic, W. D. Cook and D. Mitchell, BE Sept./Oct. 01, p340-348.

Seismic Performance of RC Bridge Column under Repeated Ground Motions, S. W. Park, W. P. Yen, J. D. Cooper and J. D. O'Fallon, BE Nov./Dec. 01, p461-467.

Seismic Restraint Design Methods for Simply Supported Bridges, M. Saidi, M. Randall, E. Maragakis and T. Isakovic, BE Sept./Oct. 01, p307-315.

Simplified Modeling of Bridge Response on Soft Soil to Nonuniform Seismic Excitation, George Mylonakis, Dimitri Papastamatiou, John Psycharis and Khaled Mahmoud, BE Nov./Dec. 01, p587-597.

## Bridges, arch

Dynamic Response of Half-Through Steel Arch Bridge Using Fiber Model, Tetsuya Nonaka and Asghar Ali, P.E., BE Nov./Dec. 01, p482-488.

Load Rating of Masonry Arch Bridges, Thomas E. Boothby, BE Mar./Apr. 01, p79-86.

## Bridges, box girder

Dynamic Analysis of Steel Curved Box Girder Bridges, Dongzhou Huang, P.E., BE Nov./Dec. 01, p506-513.

Stability Analysis of Box-Girder Cable-Stayed Bridges, Hung-Shan Shu and Yang-Cheng Wang, BE Jan./Feb. 01, p63-68.

State-of-the-Art in Design of Curved Box-Girder Bridges, Khaled M. Sennah and John B. Kennedy, BE May/June 01, p159-167.

Steel Single Box Ramp Bridges, B. O. Kuzmanović and M.R. Sanchez, BE July/Aug. 01, p250-253.

## Bridges, cable-stayed

Ambient Vibration of Long-Span Cable-Stayed Bridge, C. C. Chang, T. Y. P. Chang and Q. W. Zhang, BE Jan./Feb. 01, p46-53.

Assessment of Cable Maintenance Technologies for Honshu-Shikoku Bridges, Makoto Kitagawa, Shuichi Suzuki and Motoi Okuda, BE Nov./Dec. 01, p418-424.

Bending Fatigue of Cable Stays, J. Dowd, M. Poser, K. H. Frank, S. L. Wood and E. B. Williamson, BE Nov./Dec. 01, p639-644.

Control of Seismically Excited Cable-Stayed Bridge Using Resetting Semiactive Stiffness Dampers, W. L. He, A. K. Agrawal and K. Mahmoud, BE Nov./Dec. 01, p376-384.

Dynamic Tests on Large Cable-Stayed Bridge, A. Cunha, E. Caetano and R. Delgado, BE Jan./Feb. 01, p54-62.

Erection of Cable-Stayed Bridges Having Composite Decks with Precast Concrete Slabs, M. Schlaich, BE Sept./Oct. 01, p333-339.

Evaluation of Viscous Dampers for Stay-Cable Vibration Mitigation, J. A. Main and N. P. Jones, BE Nov./Dec. 01, p385-397.

Finite-Element Model Updating for the Kap Shui Mun Cable-Stayed Bridge, Q. W. Zhang, T. Y. P. Chang and C. C. Chang, BE July/Aug. 01, p285-293.

Performance of Segmental and Posttensioned Bridges in Europe, Alan Moreton, BE Nov./Dec. 01, p543-555.

Seismic and Structural Engineering of a Curved Cable-Stayed Bridge, Abolhasan Astaneh-Asl and R. Gary Black, BE Nov./Dec. 01, p439-450.

Stability Analysis of Box-Girder Cable-Stayed Bridges, Hung-Shan Shu and Yang-Cheng Wang, BE Jan./Feb. 01, p63-68.

Theory and Full-Bridge Modeling of Wind Response of Cable-Supported Bridges, Nicholas P. Jones and Robert H. Scanlan, BE Nov./Dec. 01, p365-375.

## Bridges, composite

Behavior of Composite Bridge Decks with Alternative Shear Connectors, Christopher Higgins and Heath Mitchell, BE Jan./Feb. 01, p17-22.

## SUBJECT INDEX

## Abutments

Editor's Note, Dennis R. Mertz, BE Sept./Oct. 01, p297.

## Aerodynamic forces

Dynamic Tests on Large Cable-Stayed Bridge, A. Cunha, E. Caetano and R. Delgado, BE Jan./Feb. 01, p54-62.

## Aircraft

Design Considerations for Aircraft Bridges, Bruce A. Moulds, BE Nov./Dec. 01, p498-505.

## Airports

Design Considerations for Aircraft Bridges, Bruce A. Moulds, BE Nov./Dec. 01, p498-505.

## Analysis

Preliminary Analysis of Suspension Bridges, Gregor P. Wollmann, BE July/Aug. 01, p227-233.

## Anchors

Self-Anchored Suspension Bridges, John A. Ochsendorf and David P. Billington, BE Aug. 99, p151-156.

## ASCE Members

New Editor and Associate Editors Sought, *Journal of Bridge Engineering*, Dennis R. Mertz, P.E., BE July/Aug. 01, p226.

## ASCE Publications

Editorial, Khaled M. Mahmoud, P.E., BE Nov./Dec. 01, p363-364.

Editor's Note, Dennis R. Mertz, P.E., BE July/Aug. 01, p226.

Editor's Note, Dennis R. Mertz, BE Sept./Oct. 01, p297.

New Editor and Associate Editors Sought, *Journal of Bridge Engineering*, Dennis R. Mertz, P.E., BE July/Aug. 01, p226.

## Assessments

Assessment of Cable Maintenance Technologies for Honshu-Shikoku Bridges, Makoto Kitagawa, Shuichi Suzuki and Motoi Okuda, BE Nov./Dec. 01, p418-424.

Load Rating of Masonry Arch Bridges, Thomas E. Boothby, BE Mar./Apr. 01, p79-86.

Reliability-Based Assessment of Suspension Bridges: Application to the Innoshima Bridge, Kiyohiro Imai and Dan M. Frangopol, BE Nov./Dec. 01, p398-411.

## Axial loads

Computer-Aided Graphical Analysis of Bridges under Vehicular Loading, Amir M. Malek, P.E. and David V. Jauregui, BE May/June 01, p207-212.

## Backfills

Radar Testing of a Masonry Composite Structure with Sand and Water Backfill, C. Colla, D. M. McCann and M. C. Forde, BE July/Aug. 01, p262-270.

## Beam columns

Seismic Behavior and Retrofit of Outrigger Beam-Column Frames, A. Griezic, W. D. Cook and D. Mitchell, BE Sept./Oct. 01, p340-348.

## Beams

Strength and Ductility of RC Beams Repaired with Bonded CFRP Laminates, G. Spadea, R. N. Swamy and F. Bencardino, BE Sept./Oct. 01, p349-355.

Strengthening by Means of External Prestressing, M. A. Pisani, BE May 99, p131-135.

## Bearing capacity

Load Rating of Masonry Arch Bridges, Thomas E. Boothby, BE Mar./Apr. 01, p79-86.

Quantifying Field-Test Behavior for Rating Steel Girder Bridges, Michael G. Barker, P.E., BE July/Aug. 01, p254-261.

## Bearings

Bearing Replacement for Prestressed Concrete I-Girder Bridges, Sun-Kyu Park, Hyeon-Yeol Kim and Jung-Hyuk Kim, BE July/Aug. 01, p271-275.

Monitoring and Analysis of a Bridge with Partially Restrained Bearings, Yongda Fu and John T. DeWolf, BE Jan./Feb. 01, p23-29.

Nonpre Bearing Pad Slippage at Louisiana Bridges, Ernest Heymsfield, Jamie McDonald and R. Richard Arent, BE Jan./Feb. 01, p30-36.

## Bending

Bending Fatigue of Cable Stays, J. Dowd, M. Poser, K. H. Frank, S. L. Wood and E. B. Williamson, BE Nov./Dec. 01, p639-644.

## Bridge construction

Editorial, Khaled M. Mahmoud, P.E., BE Nov./Dec. 01, p363-364.

## Bridge decks

Bearing Replacement for Prestressed Concrete I-Girder Bridges, Sun-Kyu Park, Hyeon-Yeol Kim and Jung-Hyuk Kim, BE July/Aug. 01, p271-275.

Behavior of Composite Bridge Decks with Alternative Shear Connectors, Christopher Higgins and Heath Mitchell, BE Jan./Feb. 01, p17-22.

Design Recommendations for Externally Restrained Highway Bridge Deck, J. Thorburn, P.E. and A. A. Mufti, P.E., BE July/Aug. 01, p243-249.

Erection of Cable-Stayed Bridges Having Composite Decks with Precast Concrete Slabs, M. Schlaich, BE Sept./Oct. 01, p333-339.

Preservative Effect on Stress-Laminated Southern Pine Bridge Decks, Nur Yazdani, P.E., Joy Kadnar, P.E., James Kainz and Mike Ritter, P.E., BE Mar./Apr. 01, p144-153.

Strength and Serviceability of FRP Grid Reinforced Bridge Decks, Joseph Robert Yost and Edwin R. Schmeckpeper, BE Nov./Dec. 01, p605-612.

## Bridge design

Alternate Substructure Systems for Standard Highway Bridges, S. L. Billington, R. W. Barnes and J. E. Breen, BE Mar./Apr. 01, p87-94.

Design Considerations for Aircraft Bridges, Bruce A. Moulds, BE Nov./Dec. 01, p498-505.

Design Method of a Hanger System for Long-Span Suspension Bridge, Munenobu Kondoh, Motoi Okuda, Kouji Kawaguchi and Takefumi Yamazaki, BE May/June 01, p176-182.

Design Recommendations for Externally Restrained Highway Bridge Deck, J. Thorburn, P.E. and A. A. Mufti, P.E., BE July/Aug. 01, p243-249.

Evaluation of Site Factors for Seismic Bridge Design in New York City Area, Sissy Nikolau, George Mylonakis and Peter Edinger, BE Nov./Dec. 01, p564-576.

Performance-Based Design Approach in Seismic Analysis of Bridges, Amy Floren and Jamshid Mohammadi, BE Jan./Feb. 01, p37-45.

Preliminary Design of the Prestressed Concrete Stress Ribbon Bridge, Diego Cobo del Arco, Angel C. Aparicio and Antonio R. Marí, BE July/Aug. 01, p234-242.

Self-Anchored Suspension Bridges, John A. Ochsendorf and David P. Billington, BE Aug. 99, p151-156.

State-of-the-Art in Design of Curved Box-Girder Bridges, Khaled M. Sennah and John B. Kennedy, BE May/June 01, p159-167.

Steel Single Box Ramp Bridges, B. O. Kuzmanović and M.R. Sanchez, BE July/Aug. 01, p250-253.

## Bridge foundations

Effect of Foundation Type and Compliance on Seismic Response of RC Bridges, Andreas J. Kappos and Anastasios G. Sextos, BE Mar./Apr. 01, p120-130.

## Bridge inspection

Bridge Lifetime System Reliability under Multiple Limit States, Allen C. Estes and Dan M. Frangopol, BE Nov./Dec. 01, p523-528.

Performance of Segmental and Posttensioned Bridges in Europe, Alan Moreton, BE Nov./Dec. 01, p543-555.

## Bridge loads

Comparison of Static and Dynamic Lateral Stiffness of a Driven Pile, Edwin G. Burdette, Shahram Pezeshk, J. Harold Deatherage and David W. Goodpasture, BE Mar./Apr. 01, p131-135.

## Bridge maintenance

Bridge Lifetime System Reliability under Multiple Limit States, Allen C. Estes and Dan M. Frangopol, BE Nov./Dec. 01, p523-528.

Strengthening by Means of External Prestressing, M. A. Pisani, BE May 99, p131-135.

## Bridge tests

Cable Erection Test at Pylon Saddle for Spatial Suspension Bridge, Heungbae Gil and Youngjae Choi, BE May/June 01, p183-188.

## Bridge towers

Seismic and Structural Engineering of a Curved Cable-Stayed Bridge, Abolhasan Astaneh-Asl and R. Gary Black, BE Nov./Dec. 01, p439-450.

## Bridges

Computer-Aided Graphical Analysis of Bridges under Vehicular Loading, Amir M. Malek, P.E. and David V. Jauregui, BE May/June 01, p207-212.

Design, Specification, Installation, and Maintenance of Modular Bridge Expansion Joint Systems, Robert J. Dexter, Carl B. Osberg and Mark J. Mutziger, BE Nov./Dec. 01, p529-538.

Monitoring and Analysis of a Bridge with Partially Restrained Bearings, Yongda Fu and John T. DeWolf, BE Jan./Feb. 01, p23-29.

Seismic Behavior and Retrofit of Outrigger Beam-Column Frames, A. Griezic, W. D. Cook and D. Mitchell, BE Sept./Oct. 01, p340-348.

Seismic Performance of RC Bridge Column under Repeated Ground Motions, S. W. Park, W. P. Yen, J. D. Cooper and J. D. O'Fallon, BE Nov./Dec. 01, p461-467.

Seismic Restraint Design Methods for Simply Supported Bridges, M. Saidi, M. Randall, E. Maragakis and T. Isakovic, BE Sept./Oct. 01, p307-315.

Simplified Modeling of Bridge Response on Soft Soil to Nonuniform Seismic Excitation, George Mylonakis, Dimitri Papastamatiou, John Psycharis and Khaled Mahmoud, BE Nov./Dec. 01, p587-597.

## Bridges, arch

Dynamic Response of Half-Through Steel Arch Bridge Using Fiber Model, Tetsuya Nonaka and Asghar Ali, P.E., BE Nov./Dec. 01, p482-488.

Load Rating of Masonry Arch Bridges, Thomas E. Boothby, BE Mar./Apr. 01, p79-86.

## Bridges, box girder

Dynamic Analysis of Steel Curved Box Girder Bridges, Dongzhou Huang, P.E., BE Nov./Dec. 01, p506-513.

Stability Analysis of Box-Girder Cable-Stayed Bridges, Hung-Shan Shu and Yang-Cheng Wang, BE Jan./Feb. 01, p63-68.

State-of-the-Art in Design of Curved Box-Girder Bridges, Khaled M. Sennah and John B. Kennedy, BE May/June 01, p159-167.

Steel Single Box Ramp Bridges, B. O. Kuzmanović and M.R. Sanchez, BE July/Aug. 01, p250-253.

## Bridges, cable-stayed

Ambient Vibration of Long-Span Cable-Stayed Bridge, C. C. Chang, T. Y. P. Chang and Q. W. Zhang, BE Jan./Feb. 01, p46-53.

Assessment of Cable Maintenance Technologies for Honshu-Shikoku Bridges, Makoto Kitagawa, Shuichi Suzuki and Motoi Okuda, BE Nov./Dec. 01, p418-424.

Bending Fatigue of Cable Stays, J. Dowd, M. Poser, K. H. Frank, S. L. Wood and E. B. Williamson, BE Nov./Dec. 01, p639-644.

Control of Seismically Excited Cable-Stayed Bridge Using Resetting Semiactive Stiffness Dampers, W. L. He, A. K. Agrawal and K. Mahmoud, BE Nov./Dec. 01, p376-384.

Dynamic Tests on Large Cable-Stayed Bridge, A. Cunha, E. Caetano and R. Delgado, BE Jan./Feb. 01, p54-62.

Erection of Cable-Stayed Bridges Having Composite Decks with Precast Concrete Slabs, M. Schlaich, BE Sept./Oct. 01, p333-339.

Evaluation of Viscous Dampers for Stay-Cable Vibration Mitigation, J. A. Main and N. P. Jones, BE Nov./Dec. 01, p385-397.

Finite-Element Model Updating for the Kap Shui Mun Cable-Stayed Bridge, Q. W. Zhang, T. Y. P. Chang and C. C. Chang, BE July/Aug. 01, p285-293.

Performance of Segmental and Posttensioned Bridges in Europe, Alan Moreton, BE Nov./Dec. 01, p543-555.

Seismic and Structural Engineering of a Curved Cable-Stayed Bridge, Abolhasan Astaneh-Asl and R. Gary Black, BE Nov./Dec. 01, p439-450.

Stability Analysis of Box-Girder Cable-Stayed Bridges, Hung-Shan Shu and Yang-Cheng Wang, BE Jan./Feb. 01, p63-68.

Theory and Full-Bridge Modeling of Wind Response of Cable-Supported Bridges, Nicholas P. Jones and Robert H. Scanlan, BE Nov./Dec. 01, p365-375.

## Bridges, composite

Behavior of Composite Bridge Decks with Alternative Shear Connectors, Christopher Higgins and Heath Mitchell, BE Jan./Feb. 01, p17-22.

**Bridges, concrete**

Durability of Segmental Concrete Bridges, Maurice D. Miller, BE Nov./Dec. 01, p514-522.

Neoprene Bearing Pad Slippage at Louisiana Bridges, Ernest Heymsfield, Jamie McDonald and R. Richard Avent, BE Jan./Feb. 01, p30-36.

Shear Retrofit of Flared RC Bridge Columns Subjected to Earthquakes, M. Saidi Saidi, Nadim I. Webbe, David H. Sanders and Cory J. Caywood, BE May/June 01, p189-197.

**Bridges, girder**

Bearing Replacement for Prestressed Concrete I-Girder Bridges, Sun-Kyu Park, Hyeon-Yeol Kim and Jung-Hyuk Kim, BE July/Aug. 01, p271-275.

Effectiveness of Seismic Isolation of a Highly Skewed P/C I-Girder Bridge, B. N. Robson, I. E. Harik and V. Gupta, BE May/June 01, p221-224.

Engineered Heat-Straightening Repairs: A Case Study, R. Richard Avent, P.E. and David J. Mukai, BE Mar./Apr. 01, p95-102.

Full-Scale Testing of Composite Plate Girders Constructed Using 485-MPa High-Performance Steel, Patrick Mans, Aaron J. Yakel, Ph.D. Candidate and Atorod Azizinamini, P.E., BE Nov./Dec. 01, p598-604.

Live Load Distribution for Steel Girder Bridges, Junsik Eom and Andrzej S. Nowak, BE Nov./Dec. 01, p489-497.

Live Load Distribution in Girder Bridges Subject to Oversized Trucks, Sami W. Tabsh and Muna Tabatabai, BE Jan./Feb. 01, p9-16.

Live-Load Distribution Factors in Prestressed Concrete Girder Bridges, Paul J. Barr, Marc O. Eberhard and John F. Stanton, BE Sept./Oct. 01, p298-306.

Neoprene Bearing Pad Slippage at Louisiana Bridges, Ernest Heymsfield, Jamie McDonald and R. Richard Avent, BE Jan./Feb. 01, p30-36.

Nonlinear Flexural Behavior of Prestressed Concrete Girder Bridges, Linzhong Deng, Michel Ghosn, Ales Znidaric and Joan R. Casas, BE July/Aug. 01, p276-284.

Quantifying Field-Test Behavior for Rating Steel Girder Bridges, Michael G. Barker, P.E., BE July/Aug. 01, p254-261.

Response of Prestressed Concrete I-Girder Bridges to Live Load, Michael Schwarz and Jeffrey A. Laman, BE Jan./Feb. 01, p1-8.

Strength and Ductility of HPS-100W I-Girders in Negative Flexure, Richard Sause and Larry A. Fahnestock, BE Sept./Oct. 01, p316-323.

Strengthening of a Steel Bridge Girder Using CFRP Plates, Trent C. Miller, Michael J. Chajes, Dennis R. Mertz and Jason N. Hastings, BE Nov./Dec. 01, p514-522.

**Bridges, highway**

Alternate Substructure Systems for Standard Highway Bridges, S. L. Billington, R. W. Barnes and J. E. Breen, BE Mar./Apr. 01, p87-94.

BART SFO Extension Aerial Guideways: Using Nonlinear Analysis to Control and Minimize Seismic Damage, Michael H. Jones, Ayman E. Salama, P.E. and Scott T. Dreher, BE Nov./Dec. 01, p365-375.

Bridge Lifetime System Reliability under Multiple Limit States, Allen C. Estes and Dan M. Frangopol, BE Nov./Dec. 01, p523-528.

Design Recommendations for Externally Restrained Highway Bridge Deck, J. Thorburn, P.E. and A. A. Mufti, P.E., BE July/Aug. 01, p243-249.

Performance-Based Design Approach in Seismic Analysis of Bridges, Amy Floren and Jamshid Mohammadi, BE Jan./Feb. 01, p37-45.

Probabilistic Seismic Demand Model for California Highway Bridges, Kevin Mackie and Bozidar Stojadinovic, BE Nov./Dec. 01, p468-481.

Response and Analysis of Steel Trusses for Fatigue Truck Loading, Heather M. O'Connell and Robert J. Dexter, P.E., BE Nov./Dec. 01, p628-638.

Seismic Behavior of Hollow Stiffened Steel Bridge Columns, Gregory A. MacRae and Kazuhiko Kawashima, BE Mar./Apr. 01, p110-119.

Stochastic Model for Multilane Traffic Effects on Bridges, P. Croce and W. Salvatore, BE Mar./Apr. 01, p136-143.

Use of Isolation for Seismic Retrofitting Bridges, Roy A. Imbsen, P.E., BE Nov./Dec. 01, p425-438.

**Bridges, pedestrian**

London Millennium Bridge: Pedestrian-Induced Lateral Vibration, Pat Dallard, Tony Fitzpatrick, Anthony Flint, Angus Low, Roger Ridsdill Smith, Michael Willford and Mark Roche, BE Nov./Dec. 01, p412-417.

**Bridges, railroad**

Full-Scale Field Failure Tests of Railway Bridge, Emmanuel "Manos" Maragakis, Bruce M. Douglas and Qingbin Chen, BE Sept./Oct. 01, p356-362.

Performance of Bridge Timber Ties under Static and Fatigue Loading, Khaled A. Soudki, Sami H. Rizkalla and A. Shakoor Uppal, BE Nov. 99, p263-268.

**Bridges, skew**

Alternative Layout for the Prestressing of Slab Bridges, L. T. Stavridis, BE Sept./Oct. 01, p324-332.

**Bridges, spans**

Frequency-Domain Analysis of Long-Span Bridges Subjected to Nonuniform Seismic Motions, Mohammed Ettouney, Adam Hapji and Ruben Gajer, BE Nov./Dec. 01, p577-586.

Seismic and Structural Engineering of a Curved Cable-Stayed Bridge, Abolhassan Astaneh-Asl and R. Gary Black, BE Nov./Dec. 01, p439-450.

**Bridges, steel**

Dynamic Response of Half-Through Steel Arch Bridge Using Fiber Model, Tetsuya Nonaka and Asghar Ali, P.E., BE Nov./Dec. 01, p482-488.

Live Load Distribution for Steel Girder Bridges, Junsik Eom and Andrzej S. Nowak, BE Nov./Dec. 01, p489-497.

Quantifying Field-Test Behavior for Rating Steel Girder Bridges, Michael G. Barker, P.E., BE July/Aug. 01, p254-261.

Strengthening of a Steel Bridge Girder Using CFRP Plates, Trent C. Miller, Michael J. Chajes, Dennis R. Mertz and Jason N. Hastings, BE Nov./Dec. 01, p514-522.

**Bridges, suspension**

Cable Erection Test at Pylon Saddle for Spatial Suspension Bridge, Heungbae Gil and Youngjae Choi, BE May/June 01, p183-188.

Cracking and Fracture of Suspension Bridge Wire, R. M. Maybauri, P.E. and S. Camo, P.E., BE Nov./Dec. 01, p645-650.

Design Method of a Hanger System for Long-Span Suspension Bridge, Munenobu Kondoh, Motoi Okuda, Kouji Kawaguchi and Takefumi Yamazaki, BE May/June 01, p176-182.

Editor's Note, Dennis R. Mertz, P.E., BE July/Aug. 01, p226.

Preliminary Analysis of Suspension Bridges, Gregor P. Wollmann, BE July/Aug. 01, p227-233.

Reliability-Based Assessment of Suspension Bridges: Application to the Inoshima Bridge, Kiyohiro Imai and Dan M. Frangopol, BE Nov./Dec. 01, p398-411.

Self-Anchored Suspension Bridges, John A. Ochsendorf and David P. Billington, BE Aug. 99, p151-156.

Suspension Bridge Flutter for Girders with Separated Control Flaps, Truc Huynh and Palle Thoft-Christensen, BE May/June 01, p168-175.

**Bridges, truss**

Stress Spikes in Pin and Hanger System of a Truss Bridge, Sanjay Mehta, BE Mar./Apr. 01, p103-109.

**Bridges, viaduct**

Live Load Tests of the San Antonio "Y", Carin L. Roberts-Wollmann, John E. Breen and Michael E. Kreger, BE Nov./Dec. 01, p556-563.

**Bridges, wooden**

Preservative Effect on Stress-Laminated Southern Pine Bridge Decks, Nur Yazdani, P.E., Joy Kadnar, P.E., James Kainz and Mike Ritter, P.E., BE Mar./Apr. 01, p144-153.

Response of Timber Bridge to Traffic Loading, Tomas Horyna, Ricardo O. Foschi and Carlos E. Ventura, BE Jan./Feb. 01, p69-77.

**Cables**

Assessment of Cable Maintenance Technologies for Honshu-Shikoku Bridges, Makoto Kitagawa, Shuichi Suzuki and Motoi Okuda, BE Nov./Dec. 01, p418-424.

Cable Erection Test at Pylon Saddle for Spatial Suspension Bridge, Heungbae Gil and Youngjae Choi, BE May/June 01, p183-188.

Cracking and Fracture of Suspension Bridge Wire, R. M. Maybauri, P.E. and S. Camo, P.E., BE Nov./Dec. 01, p645-650.

**California**

BART SFO Extension Aerial Guideways: Using Nonlinear Analysis to Control and Minimize Seismic Damage, Michael H. Jones, Ayman E. Salama, P.E. and Scott T. Dreher, BE Nov./Dec. 01, p365-375.

Probabilistic Seismic Demand Model for California Highway Bridges, Kevin Mackie and Bozidar Stojadinovic, BE Nov./Dec. 01, p468-481.

**Case reports**

Engineered Heat-Straightening Repairs: A Case Study, R. Richard Avent, P.E. and David J. Mukai, BE Mar./Apr. 01, p95-102.

Self-Anchored Suspension Bridges, John A. Ochsendorf and David P. Billington, BE Aug. 99, p151-156.

**Cast-in-place structures**

Alternate Substructure Systems for Standard Highway Bridges, S. L. Billington, R. W. Barnes and J. E. Breen, BE Mar./Apr. 01, p87-94.

**Columns**

Shear Retrofit of Flared RC Bridge Columns Subjected to Earthquakes, M. Saidi Saidi, Nadim I. Webbe, David H. Sanders and Cory J. Caywood, BE May/June 01, p189-197.

**Composite columns**

Seismic Behavior of Hollow Stiffened Steel Bridge Columns, Gregory A. MacRae and Kazuhiko Kawashima, BE Mar./Apr. 01, p110-119.

**Composite masonry**

Radar Testing of a Masonry Composite Structure with Sand and Water Backfill, C. Colla, D. M. McCann and M. C. Forde, BE July/Aug. 01, p262-270.

**Composite materials**

Erection of Cable-Stayed Bridges Having Composite Decks with Precast Concrete Slabs, M. Schlaich, BE Sept./Oct. 01, p333-339.

Full-Scale Testing of Composite Plate Girders Constructed Using 485-MPa High-Performance Steel, Patrick Mans, Aaron J. Yakel, Ph.D. Candidate and Atorod Azizinamini, P.E., BE Nov./Dec. 01, p598-604.

Strengthening of a Steel Bridge Girder Using CFRP Plates, Trent C. Miller, Michael J. Chajes, Dennis R. Mertz and Jason N. Hastings, BE Nov./Dec. 01, p514-522.

**Composite structures**

Radar Testing of a Masonry Composite Structure with Sand and Water Backfill, C. Colla, D. M. McCann and M. C. Forde, BE July/Aug. 01, p262-270.

**Computer analysis**

Computer-Aided Graphical Analysis of Bridges under Vehicular Loading, Amir M. Malek, P.E. and David V. Juregui, BE May/June 01, p207-212.

**Concrete columns**

Seismic Performance of RC Bridge Column under Repeated Ground Motions, S. W. Park, W. P. Yen, J. D. Cooper and J. D. O'Fallon, BE Nov./Dec. 01, p461-467.

**Concrete, precast**

Alternate Substructure Systems for Standard Highway Bridges, S. L. Billington, R. W. Barnes and J. E. Breen, BE Mar./Apr. 01, p87-94.

**Concrete, prestressed**

Bearing Replacement for Prestressed Concrete I-Girder Bridges, Sun-Kyu Park, Hyeon-Yeol Kim and Jung-Hyuk Kim, BE July/Aug. 01, p271-275.

Live-Load Distribution Factors in Prestressed Concrete Girder Bridges, Paul J. Barr, Marc O. Eberhard and John F. Stanton, BE Sept./Oct. 01, p298-306.

Nonlinear Flexural Behavior of Prestressed Concrete Girder Bridges, Linzhong Deng, Michel Ghosn, Ales Znidaric and Joan R. Casas, BE July/Aug. 01, p276-284.

Preliminary Design of the Prestressed Concrete Stress Ribbon Bridge, Diego Cobo del Arco, Angel C. Aparicio and Antonio R. Marí, BE July/Aug. 01, p234-242.

Response of Prestressed Concrete I-Girder Bridges to Live Load, Michael Schwarz and Jeffrey A. Laman, BE Jan./Feb. 01, p1-8.

Strengthening by Means of External Prestressing, M. A. Pisani, BE May 99, p131-135.

**Concrete, reinforced**

Editor's Note, Dennis R. Mertz, BE Sept./Oct. 01, p297.

Effect of Foundation Type and Compliance on Seismic Response of RC Bridges, Andreas J. Kappos and Anastasios G. Sextos, BE Mar./Apr. 01, p120-130.

Shear Retrofit of Flared RC Bridge Columns Subjected to Earthquakes, M. Saidi Saidi, Nadim I. Webbe, David H. Sanders and Cory J. Caywood, BE May/June 01, p189-197.

Strength and Ductility of RC Beams Repaired with Bonded CFRP Laminates, G. Spadea, R. N. Swamy and F. Bencardino, BE Sept./Oct. 01, p349-355.

Strengthening by Means of External Prestressing, M. A. Pisani, BE May 99, p131-135.

#### Concrete slabs

Behavior of Composite Bridge Decks with Alternative Shear Connectors, Christopher Higgins and Heath Mitchell, BE Jan./Feb. 01, p17-22.

Design Recommendations for Externally Restrained Highway Bridge Deck, J. Thorburn, P.E. and A. A. Mufti, P.E., BE July/Aug. 01, p243-249.

Effectiveness of Seismic Isolation of a Highly Skewed P/C I-Girder Bridge, B. N. Robson, I. E. Harik and V. Gupta, BE May/June 01, p221-224.

Erection of Cable-Stayed Bridges Having Composite Decks with Precast Concrete Slabs, M. Schlaich, BE Sept./Oct. 01, p333-339.

#### Cracking

Cracking and Fracture of Suspension Bridge Wire, R. M. Maybauri, P.E. and S. Camo, P.E., BE Nov./Dec. 01, p645-650.

Effect of Grouting Pressure in Posttensioned Bulbtee Girders, Kamal Tawfik, Primus Mtenga and Mousa Issa, BE May/June 01, p198-206.

#### Critical load

Stability Analysis of Box-Girder Cable-Stayed Bridges, Hung-Shan Shu and Yang-Cheng Wang, BE Jan./Feb. 01, p63-68.

#### Curvature

Seismic and Structural Engineering of a Curved Cable-Stayed Bridge, Abolhasan Astanteh-Asl and R. Gary Black, BE Nov./Dec. 01, p439-450.

#### Cyclic loads

Dynamic Response of Half-Through Steel Arch Bridge Using Fiber Model, Tetsuya Nonaka and Asghar Ali, P.E., BE Nov./Dec. 01, p482-488.

Strengthening by Means of External Prestressing, M. A. Pisani, BE May 99, p131-135.

#### Damage assessment

Bending Fatigue of Cable Stays, J. Dowd, M. Poser, K. H. Frank, S. L. Wood and E. B. Williamson, BE Nov./Dec. 01, p639-644.

#### Dampers

Control of Seismically Excited Cable-Stayed Bridge Using Resetting Semiactive Stiffness Dampers, W. L. He, A. K. Agrawal and K. Mahmoud, BE Nov./Dec. 01, p376-384.

Evaluation of Viscous Dampers for Stay-Cable Vibration Mitigation, J. A. Main and N. P. Jones, BE Nov./Dec. 01, p385-397.

#### Deflection

Preliminary Analysis of Suspension Bridges, Gregor P. Wollmann, BE July/Aug. 01, p227-233.

#### Design

Statewide Vessel Collision Design for Bridges, Chunhua Liu and Ton-Lo Wang, BE May/June 01, p213-219.

#### Design modifications

Editor's Note, Dennis R. Mertz, P.E., BE July/Aug. 01, p226.

#### Design standards

Response of Timber Bridge to Traffic Loading, Tomas Horyna, Ricardo O. Foschi and Carlos E. Ventura, BE Jan./Feb. 01, p69-77.

#### Deterioration

Editorial, Khaled M. Mahmoud, P.E., BE Nov./Dec. 01, p363-364.

#### Displacement

Seismic Restraint Design Methods for Simply Supported Bridges, M. Saidi, M. Randall, E. Maragakis and T. Isakovic, BE Sept./Oct. 01, p307-315.

#### Driven piles

Comparison of Static and Dynamic Lateral Stiffness of a Driven Pile, Edwin G. Burdette, Shahram Pezeshk, J. Harold Deatherage and David W. Goodpasture, BE Mar./Apr. 01, p131-135.

#### Ductility

Strength and Ductility of HPS-100W I-Girders in Negative Flexure, Richard Sause and Larry A. Fahnestock, BE Sept./Oct. 01, p316-323.

Strength and Ductility of RC Beams Repaired with Bonded CFRP Laminates, G. Spadea, R. N. Swamy and F. Bencardino, BE Sept./Oct. 01, p349-355.

#### Ducts

Effect of Grouting Pressure in Posttensioned Bulbtee Girders, Kamal Tawfik, Primus Mtenga and Mousa Issa, BE May/June 01, p198-206.

#### Durability

Design, Specification, Installation, and Maintenance of Modular Bridge Expansion Joint Systems, Robert J. Dexter, Carl B. Osberg and Mark J. Mutziger, BE Nov./Dec. 01, p529-538.

Durability of Segmental Concrete Bridges, Maurice D. Miller, BE Nov./Dec. 01, p514-522.

#### Dynamic analysis

Dynamic Analysis of Steel Curved Box Girder Bridges, Dongzhou Huang, P.E., BE Nov./Dec. 01, p506-513.

#### Dynamic loads

Comparison of Static and Dynamic Lateral Stiffness of a Driven Pile, Edwin G. Burdette, Shahram Pezeshk, J. Harold Deatherage and David W. Goodpasture, BE Mar./Apr. 01, p131-135.

Response of Prestressed Concrete I-Girder Bridges to Live Load, Michael Schwarz and Jeffrey A. Laman, BE Jan./Feb. 01, p1-8.

Response of Timber Bridge to Traffic Loading, Tomas Horyna, Ricardo O. Foschi and Carlos E. Ventura, BE Jan./Feb. 01, p69-77.

#### Dynamic response

Ambient Vibration of Long-Span Cable-Stayed Bridge, C. C. Chang, T. Y. P. Chang and Q. W. Zhang, BE Jan./Feb. 01, p46-53.

Control of Seismically Excited Cable-Stayed Bridge Using Resetting Semiactive Stiffness Dampers, W. L. He, A. K. Agrawal and K. Mahmoud, BE Nov./Dec. 01, p376-384.

Dynamic Response of Half-Through Steel Arch Bridge Using Fiber Model, Tetsuya Nonaka and Asghar Ali, P.E., BE Nov./Dec. 01, p482-488.

Dynamic Tests on Large Cable-Stayed Bridge, A. Cunha, E. Caetano and R. Delgado, BE Jan./Feb. 01, p54-62.

#### Dynamic tests

Dynamic Tests on Large Cable-Stayed Bridge, A. Cunha, E. Caetano and R. Delgado, BE Jan./Feb. 01, p54-62.

#### Earthquake damage

Probabilistic Seismic Demand Model for California Highway Bridges, Kevin Mackie and Bozidar Stojadinovic, BE Nov./Dec. 01, p468-481.

Seismic Behavior of Hollow Stiffened Steel Bridge Columns, Gregory A. MacRae and Kazuhiko Kawashima, BE Mar./Apr. 01, p110-119.

#### Earthquake excitation

Control of Seismically Excited Cable-Stayed Bridge Using Resetting Semiactive Stiffness Dampers, W. L. He, A. K. Agrawal and K. Mahmoud, BE Nov./Dec. 01, p376-384.

Simplified Modeling of Bridge Response on Soft Soil to Nonuniform Seismic Excitation, George Mylonakis, Dimitri Papastamatiou, John Psycharis and Khaled Mahmoud, BE Nov./Dec. 01, p587-597.

#### Earthquake loads

Performance-Based Design Approach in Seismic Analysis of Bridges, Amy Floren and Jamshid Mohammadi, BE Jan./Feb. 01, p37-45.

#### Earthquakes

Evaluation of Site Factors for Seismic Bridge Design in New York City Area, Sissy Nikolaou, George Mylonakis and Peter Edinger, BE Nov./Dec. 01, p564-576.

Seismic Restraint Design Methods for Simply Supported Bridges, M. Saidi, M. Randall, E. Maragakis and T. Isakovic, BE Sept./Oct. 01, p307-315.

Shear Retrofit of Flared RC Bridge Columns Subjected to Earthquakes, M. Saidi Saidi, Nadim I. Wehbe, David H. Sanders and Cory J. Caywood, BE May/June 01, p189-197.

#### Elastomer

Neoprene Bearing Pad Slippage at Louisiana Bridges, Ernest Heymsfield, Jamie McDonald and R. Richard Ament, BE Jan./Feb. 01, p30-36.

#### Europe

Performance of Segmental and Posttensioned Bridges in Europe, Alan Moreton, BE Nov./Dec. 01, p543-555.

#### Evaluation

Editor's Note, Dennis R. Mertz, P.E., BE July/Aug. 01, p226.

Evaluation of Viscous Dampers for Stay-Cable Vibration Mitigation, J. A. Main and N. P. Jones, BE Nov./Dec. 01, p385-397.

#### Expansion joints

Design, Specification, Installation, and Maintenance of Modular Bridge Expansion Joint Systems, Robert J. Dexter, Carl B. Osberg and Mark J. Mutziger, BE Nov./Dec. 01, p529-538.

Stress Spikes in Pin and Hanger System of a Truss Bridge, Sanjay Mehta, BE Mar./Apr. 01, p103-109.

#### Failure load

Full-Scale Field Failure Tests of Railway Bridge, Emmanuel "Manos" Maragakis, Bruce M. Douglas and Qingbin Chen, BE Sept./Oct. 01, p356-362.

#### Failure modes

Neoprene Bearing Pad Slippage at Louisiana Bridges, Ernest Heymsfield, Jamie McDonald and R. Richard Ament, BE Jan./Feb. 01, p30-36.

#### Fatigue

Behavior of Composite Bridge Decks with Alternative Shear Connectors, Christopher Higgins and Heath Mitchell, BE Jan./Feb. 01, p17-22.

Bending Fatigue of Cable Stays, J. Dowd, M. Poser, K. H. Frank, S. L. Wood and E. B. Williamson, BE Nov./Dec. 01, p639-644.

Performance of Bridge Timber Ties under Static and Fatigue Loading, Khaled A. Soudki, Sami H. Rizkalla and A. Shakoor Uppal, BE Nov. 99, p263-268.

#### Fiber reinforced materials

Strength and Ductility of RC Beams Repaired with Bonded CFRP Laminates, G. Spadea, R. N. Swamy and F. Bencardino, BE Sept./Oct. 01, p349-355.

Strength and Serviceability of FRP Grid Reinforced Bridge Decks, Joseph Robert Yost and Edwin R. Schmeckpeper, BE Nov./Dec. 01, p605-612.

#### Fibers

Dynamic Response of Half-Through Steel Arch Bridge Using Fiber Model, Tetsuya Nonaka and Asghar Ali, P.E., BE Nov./Dec. 01, p482-488.

#### Finite element method

Ambient Vibration of Long-Span Cable-Stayed Bridge, C. C. Chang, T. Y. P. Chang and Q. W. Zhang, BE Jan./Feb. 01, p46-53.

Bearing Replacement for Prestressed Concrete I-Girder Bridges, Sun-Kyu Park, Hyeon-Yeol Kim and Jung-Hyuk Kim, BE July/Aug. 01, p271-275.

Finite-Element Model Updating for the Kap Shui Mun Cable-Stayed Bridge, Q. W. Zhang, T. Y. P. Chang and C. C. Chang, BE July/Aug. 01, p285-293.

Live Load Distribution for Steel Girder Bridges, Junsik Eom and Andrzej S. Nowak, BE Nov./Dec. 01, p489-497.

Live Load Distribution in Girder Bridges Subject to Oversized Trucks, Sami W. Tabsh and Muna Tabatabai, BE Jan./Feb. 01, p9-16.

Monitoring and Analysis of a Bridge with Partially Restrained Bearings, Yongda Fu and John T. DeWolf, BE Jan./Feb. 01, p23-29.

Stability Analysis of Box-Girder Cable-Stayed Bridges, Hung-Shan Shu and Yang-Cheng Wang, BE Jan./Feb. 01, p63-68.

#### Finite elements

Reliability-Based Assessment of Suspension Bridges: Application to the Innoshima Bridge, Kiyohiro Imai and Dan M. Frangopol, BE Nov./Dec. 01, p398-411.

#### Flexural strength

Strength and Ductility of HPS-100W I-Girders in Negative Flexure, Richard Sause and Larry A. Fahnestock, BE Sept./Oct. 01, p316-323.

#### Florida

Statewide Vessel Collision Design for Bridges, Chunhua Liu and Ton-Lo Wang, BE May/June 01, p213-219.

#### Flutter

Suspension Bridge Flutter for Girders with Separated Control Flaps, Truc Huynh and Palle Thoft-Christensen, BE May/June 01, p168-175.

#### Fractures

Cracking and Fracture of Suspension Bridge Wire, R. M. Maybauri, P.E. and S. Camo, P.E., BE Nov./Dec. 01, p645-650.

#### Frames

Seismic Behavior and Retrofit of Outrigger Beam-Column Frames, A. Griezic, W. D. Cook and D. Mitchell, BE Sept./Oct. 01, p340-348.



**Frequency analysis**

Frequency-Domain Analysis of Long-Span Bridges Subjected to Nonuniform Seismic Motions, Mohammed Ettouney, Adam Hapji and Ruben Gajer, BE Nov./Dec. 01, p577-586.

**Girders**

Effect of Grouting Pressure in Posttensioned Bulbtee Girders, Kamal Tawfiq, Primus Mtenga and Mousa Issa, BE May/June 01, p198-206.

Strength and Ductility of HPS-100W I-Girders in Negative Flexure, Richard Sause and Larry A. Fahnestock, BE Sept./Oct. 01, p316-323.

Suspension Bridge Flutter for Girders with Separated Control Flaps, Truc Huynh and Palle Thoft-Christensen, BE May/June 01, p168-175.

**Graphical analysis**

Computer-Aided Graphical Analysis of Bridges under Vehicular Loading, Amir M. Malek, P.E. and David V. Jauregui, BE May/June 01, p207-212.

**Grillages**

Nonlinear Flexural Behavior of Prestressed Concrete Girder Bridges, Linzhong Deng, Michel Ghosn, Ales Znidaric and Joan R. Casas, BE July/Aug. 01, p276-284.

**Ground motion**

Seismic Performance of RC Bridge Column under Repeated Ground Motions, S. W. Park, W. P. Yen, J. D. Cooper and J. D. O'Fallon, BE Nov./Dec. 01, p461-467.

**GROUT**

Effect of Grouting Pressure in Posttensioned Bulbtee Girders, Kamal Tawfiq, Primus Mtenga and Mousa Issa, BE May/June 01, p198-206.

**Guidelines**

State-of-the-Art in Design of Curved Box-Girder Bridges, Khaled M. Sennah and John B. Kennedy, BE May/June 01, p159-167.

**Guideways**

BART SFO Extension Aerial Guideways: Using Nonlinear Analysis to Control and Minimize Seismic Damage, Michael H. Jones, Ayman E. Salama, P.E. and Scott T. Dreher, BE Nov./Dec. 01, p365-375.

**Hangers**

Stress Spikes in Pin and Hanger System of a Truss Bridge, Sanjay Mehta, BE Mar./Apr. 01, p103-109.

**Heat treatment**

Engineered Heat-Straightening Repairs: A Case Study, R. Richard Avent, P.E. and David J. Mukai, BE Mar./Apr. 01, p95-102.

**High strength steel**

Full-Scale Testing of Composite Plate Girders Constructed Using 485-MPa High-Performance Steel, Patrick Mans, Aaron J. Yakel, Ph.D. Candidate and Aitor Azizamin, P.E., BE Nov./Dec. 01, p598-604.

**History**

Editorial, Khaled M. Mahmoud, P.E., BE Nov./Dec. 01, p363-364.

**Hollow sections**

Seismic Behavior of Hollow Stiffened Steel Bridge Columns, Gregory A. MacRae and Kazuhiko Kawashima, BE Mar./Apr. 01, p110-119.

**Hong Kong**

Finite-Element Model Updating for the Kap Shui Mun Cable-Stayed Bridge, Q. W. Zhang, T. Y. P. Chang and C. C. Chang, BE July/Aug. 01, p285-293.

**Hydrostatic pressure**

Effect of Grouting Pressure in Posttensioned Bulbtee Girders, Kamal Tawfiq, Primus Mtenga and Mousa Issa, BE May/June 01, p198-206.

**Japan**

Assessment of Cable Maintenance Technologies for Honshu-Shikoku Bridges, Makoto Kitagawa, Shuichi Suzuki and Motoi Okuda, BE Nov./Dec. 01, p418-424.

Design Method of a Hanger System for Long-Span Suspension Bridge, Munenobu Kondoh, Motoi Okuda, Kouji Kawaguchi and Takefumi Yamazaki, BE May/June 01, p176-182.

Reliability-Based Assessment of Suspension Bridges: Application to the Inoshima Bridge, Kiyohiro Imai and Dan M. Frangopol, BE Nov./Dec. 01, p398-411.

**Korea**

Cable Erection Test at Pylon Saddle for Spatial Suspension Bridge, Heungbae Gil and Youngjae Choi, BE May/June 01, p183-188.

**Laminated wood**

Preservative Effect on Stress-Laminated Southern Pine Bridge Decks, Nur Yazdani, P.E., Joy Kadnar, P.E., James Kainz and Mike Ritter, P.E., BE Mar./Apr. 01, p144-153.

**Laminates**

Strength and Ductility of RC Beams Repaired with Bonded CFRP Laminates, G. Spadea, R. N. Swamy and F. Bencardino, BE Sept./Oct. 01, p349-355.

**Lateral displacement effect**

Effect of Foundation Type and Compliance on Seismic Response of RC Bridges, Andreas J. Kappos and Anastasios G. Sextos, BE Mar./Apr. 01, p120-130.

**Lateral loads**

Effect of Foundation Type and Compliance on Seismic Response of RC Bridges, Andreas J. Kappos and Anastasios G. Sextos, BE Mar./Apr. 01, p120-130.

London Millennium Bridge: Pedestrian-Induced Lateral Vibration, Pat Dallard, Tony Fitzpatrick, Anthony Flint, Angus Low, Roger Ridsdill Smith, Michael Willford and Mark Roche, BE Nov./Dec. 01, p412-417.

**Life cycle cost**

Bridge Lifetime System Reliability under Multiple Limit States, Allen C. Estes and Dan M. Frangopol, BE Nov./Dec. 01, p523-528.

**Live loads**

Live Load Distribution for Steel Girder Bridges, Junsik Eom and Andrzej S. Nowak, BE Nov./Dec. 01, p489-497.

Live Load Distribution in Girder Bridges Subject to Oversized Trucks, Sami W. Tabsh and Muna Tabatabai, BE Jan./Feb. 01, p9-16.

Live Load Tests of the San Antonio "Y", Carin L. Roberts-Wollmann, John E. Breen and Michael E. Kreger, BE Nov./Dec. 01, p556-563.

Live-Load Distribution Factors in Prestressed Concrete Girder Bridges, Paul J. Barr, Marc O. Eberhard and John F. Stanton, BE Sept./Oct. 01, p298-306.

Response of Prestressed Concrete I-Girder Bridges to Live Load, Michael Schwarz and Jeffrey A. Laman, BE Jan./Feb. 01, p1-8.

Stochastic Model for Multilane Traffic Effects on Bridges, P. Croce and W. Salvatore, BE Mar./Apr. 01, p136-143.

**Load distribution**

Live Load Distribution for Steel Girder Bridges, Junsik Eom and Andrzej S. Nowak, BE Nov./Dec. 01, p489-497.

Live Load Distribution in Girder Bridges Subject to Oversized Trucks, Sami W. Tabsh and Muna Tabatabai, BE Jan./Feb. 01, p9-16.

Live-Load Distribution Factors in Prestressed Concrete Girder Bridges, Paul J. Barr, Marc O. Eberhard and John F. Stanton, BE Sept./Oct. 01, p298-306.

Performance of Bridge Timber Ties under Static and Fatigue Loading, Khaled A. Soudki, Sami H. Rizkalla and A. Shakoor Uppal, BE Nov. 99, p263-268.

Response of Prestressed Concrete I-Girder Bridges to Live Load, Michael Schwarz and Jeffrey A. Laman, BE Jan./Feb. 01, p1-8.

**Load tests**

Comparison of Static and Dynamic Lateral Stiffness of a Driven Pile, Edwin G. Burdette, Shahram Pezeshk, J. Harold Deatherage and David W. Goodpasture, BE Mar./Apr. 01, p131-135.

Live Load Tests of the San Antonio "Y", Carin L. Roberts-Wollmann, John E. Breen and Michael E. Kreger, BE Nov./Dec. 01, p556-563.

**Loading rate**

Load Rating of Masonry Arch Bridges, Thomas E. Boothby, BE Mar./Apr. 01, p79-86.

**Loads**

Design Considerations for Aircraft Bridges, Bruce A. Moulds, BE Nov./Dec. 01, p498-505.

Response and Analysis of Steel Trusses for Fatigue Truck Loading, Heather M. O'Connell and Robert J. Dexter, P.E., BE Nov./Dec. 01, p628-638.

**Loess**

Comparison of Static and Dynamic Lateral Stiffness of a Driven Pile, Edwin G. Burdette, Shahram Pezeshk, J. Harold Deatherage and David W. Goodpasture, BE Mar./Apr. 01, p131-135.

**Maintenance**

Assessment of Cable Maintenance Technologies for Honshu-Shikoku Bridges, Makoto Kitagawa, Shuichi Suzuki and Motoi Okuda, BE Nov./Dec. 01, p418-424.

**Masonry**

Load Rating of Masonry Arch Bridges, Thomas E. Boothby, BE Mar./Apr. 01, p79-86.

**Model analysis**

Ambient Vibration of Long-Span Cable-Stayed Bridge, C. C. Chang, T. Y. P. Chang and Q. W. Zhang, BE Jan./Feb. 01, p46-53.

**Models**

Dynamic Response of Half-Through Steel Arch Bridge Using Fiber Model, Tetsuya Nonaka and Asghar Ali, P.E., BE Nov./Dec. 01, p482-488.

Simplified Modeling of Bridge Response on Soft Soil to Nonuniform Seismic Excitation, George Mylonakis, Dimitri Papastamatiou, John Psychari and Khaled Mahmoud, BE Nov./Dec. 01, p587-597.

Theory and Full-Bridge Modeling of Wind Response of Cable-Supported Bridges, Nicholas P. Jones and Robert H. Scanlan, BE Nov./Dec. 01, p365-375.

**Modular structures**

Design, Specification, Installation, and Maintenance of Modular Bridge Expansion Joint Systems, Robert J. Dexter, Carl B. Osberg and Mark J. Mutziger, BE Nov./Dec. 01, p529-538.

**Motion effects**

Frequency-Domain Analysis of Long-Span Bridges Subjected to Nonuniform Seismic Motions, Mohammed Ettouney, Adam Hapji and Ruben Gajer, BE Nov./Dec. 01, p577-586.

**Natural frequency**

Monitoring and Analysis of a Bridge with Partially Restrained Bearings, Yongda Fu and John T. DeWolf, BE Jan./Feb. 01, p23-29.

**New York City**

Evaluation of Site Factors for Seismic Bridge Design in New York City Area, Sissy Nikolaou, George Mylonakis and Peter Edinger, BE Nov./Dec. 01, p564-576.

**Nondestructive evaluation**

Assessment of Cable Maintenance Technologies for Honshu-Shikoku Bridges, Makoto Kitagawa, Shuichi Suzuki and Motoi Okuda, BE Nov./Dec. 01, p418-424.

**Nonlinear analysis**

BART SFO Extension Aerial Guideways: Using Nonlinear Analysis to Control and Minimize Seismic Damage, Michael H. Jones, Ayman E. Salama, P.E. and Scott T. Dreher, BE Nov./Dec. 01, p365-375.

Nonlinear Flexural Behavior of Prestressed Concrete Girder Bridges, Linzhong Deng, Michel Ghosn, Ales Znidaric and Joan R. Casas, BE July/Aug. 01, p276-284.

**Nonlinear response**

Stability Analysis of Box-Girder Cable-Stayed Bridges, Hung-Shan Shu and Yang-Cheng Wang, BE Jan./Feb. 01, p63-68.

**Numerical models**

Response of Timber Bridge to Traffic Loading, Tomas Horyna, Ricardo O. Foschi and Carlos E. Ventura, BE Jan./Feb. 01, p69-77.

**Optimization**

Finite-Element Model Updating for the Kap Shui Mun Cable-Stayed Bridge, Q. W. Zhang, T. Y. P. Chang and C. C. Chang, BE July/Aug. 01, p285-293.

**Pedestrians**

London Millennium Bridge: Pedestrian-Induced Lateral Vibration, Pat Dallard, Tony Fitzpatrick, Anthony Flint, Angus Low, Roger Ridsdill Smith, Michael Willford and Mark Roche, BE Nov./Dec. 01, p412-417.

**Pennsylvania**

Load Rating of Masonry Arch Bridges, Thomas E. Boothby, BE Mar./Apr. 01, p79-86.

**Performance evaluation**

Performance of Segmental and Posttensioned Bridges in Europe, Alan Moreton, BE Nov./Dec. 01, p543-555.

**Performance standards**

Performance-Based Design Approach in Seismic Analysis of Bridges, Amy Floren and Jamshid Mohammadi, BE Jan./Feb. 01, p37-45.

**Pile foundations**

Effect of Foundation Type and Compliance on Seismic Response of RC Bridges, Andreas J. Kappos and Anastasios G. Sextos, BE Mar./Apr. 01, p120-130.

**Piles**

Simplified Modeling of Bridge Response on Soft Soil to Nonuniform Seismic Excitation, George Mylonakis, Dimitri Papastamatiou, John Psycharis and Khaled Mahmoud, BE Nov./Dec. 01, p587-597.

**Pine wood**

Preservative Effect on Stress-Laminated Southern Pine Bridge Decks, Nur Yazdani, P.E., Joy Kadnar, P.E., James Kainz and Mike Ritter, P.E., BE Mar./Apr. 01, p144-153.

**Plate girders**

Full-Scale Testing of Composite Plate Girders Constructed Using 485-MPa High-Performance Steel, Patrick Mans, Aaron J. Yakel, Ph.D. Candidate and Atorod Azizinami, P.E., BE Nov./Dec. 01, p598-604.

**Plates**

Strengthening of a Steel Bridge Girder Using CFRP Plates, Trent C. Miller, Michael J. Chajes, Dennis R. Mertz and Jason N. Hastings, BE Nov./Dec. 01, p514-522.

**Post tensioning**

Performance of Segmental and Posttensioned Bridges in Europe, Alan Moreton, BE Nov./Dec. 01, p543-555.

**Preliminary design**

Preliminary Design of the Prestressed Concrete Stress Ribbon Bridge, Diego Cobo del Arco, Ángel C. Aparicio and Antonio R. Mari, BE July/Aug. 01, p234-242.

**Pressures**

Effect of Grouting Pressure in Posttensioned Bulbtee Girders, Kamal Tawfik, Primus Mtenga and Mousa Issa, BE May/June 01, p198-206.

**Prestressing**

Alternative Layout for the Prestressing of Slab Bridges, L. T. Stavridis, BE Sept./Oct. 01, p324-332.

Strengthening by Means of External Prestressing, M. A. Pisani, BE May 99, p131-135.

**Probabilistic models**

Probabilistic Seismic Demand Model for California Highway Bridges, Kevin Mackie and Božidar Stojadinović, BE Nov./Dec. 01, p468-481.

**Radar**

Radar Testing of a Masonry Composite Structure with Sand and Water Backfill, C. Colla, D. M. McCann and M. C. Forde, BE July/Aug. 01, p262-270.

**Railroad ties**

Performance of Bridge Timber Ties under Static and Fatigue Loading, Khaled A. Soudki, Sami H. Rizkalla and A. Shakoor Uppal, BE Nov. 99, p263-268.

**Ramps**

Steel Single Box Ramp Bridges, B. O. Kuzmanović and M.R. Sanchez, BE July/Aug. 01, p250-253.

**Ratings**

Quantifying Field-Test Behavior for Rating Steel Girder Bridges, Michael G. Barker, P.E., BE July/Aug. 01, p254-261.

**Rehabilitation**

Bearing Replacement for Prestressed Concrete I-Girder Bridges, Sun-Kyu Park, Hyeon-Yeol Kim and Jung-Hyuk Kim, BE July/Aug. 01, p271-275.

Durability of Segmental Concrete Bridges, Maurice D. Miller, BE Nov./Dec. 01, p514-522.

Editorial, Khaled M. Mahmoud, P.E., BE Nov./Dec. 01, p363-364.

Strengthening by Means of External Prestressing, M. A. Pisani, BE May 99, p131-135.

Strengthening of a Steel Bridge Girder Using CFRP Plates, Trent C. Miller, Michael J. Chajes, Dennis R. Mertz and Jason N. Hastings, BE Nov./Dec. 01, p514-522.

**Reliability**

Reliability-Based Assessment of Suspension Bridges: Application to the Inoshima Bridge, Kiyohiro Imai and Dan M. Frangopol, BE Nov./Dec. 01, p398-411.

**Repairing**

Engineered Heat-Straightening Repairs: A Case Study, R. Richard Arent, P.E. and David J. Mukai, BE Mar./Apr. 01, p95-102.

Strength and Ductility of RC Beams Repaired with Bonded CFRP Laminates, G. Spadea, R. N. Swamy and F. Bencardino, BE Sept./Oct. 01, p349-355.

**Research**

Editorial, Khaled M. Mahmoud, P.E., BE Nov./Dec. 01, p363-364.

**Residual stress**

Cracking and Fracture of Suspension Bridge Wire, R. M. Maybauri, P.E. and S. Camo, P.E., BE Nov./Dec. 01, p645-650.

**Responsibility**

New Editor and Associate Editors Sought, Journal of Bridge Engineering, Dennis R. Mertz, P.E., BE July/Aug. 01, p226.

**Restraint systems**

Monitoring and Analysis of a Bridge with Partially Restrained Bearings, Yongda Fu and John T. DeWolf, BE Jan./Feb. 01, p23-29.

**Retrofitting**

Seismic Behavior and Retrofit of Outrigger Beam-Column Frames, A. Griezic, W. D. Cook and D. Mitchell, BE Sept./Oct. 01, p340-348.

Shear Retrofit of Flared RC Bridge Columns Subjected to Earthquakes, M. Saidi Saidi, Nadim I. Wehbe, David H. Sanders and Cory J. Caywood, BE May/June 01, p189-197.

Use of Isolation for Seismic Retrofitting Bridges, Roy A. Imbsen, P.E., BE Nov./Dec. 01, p425-438.

**Safety**

Statewide Vessel Collision Design for Bridges, Chunhua Liu and Ton-Lo Wang, BE May/June 01, p213-219.

**San Francisco**

BART SFO Extension Aerial Guideways: Using Nonlinear Analysis to Control and Minimize Seismic Damage, Michael H. Jones, Ayman E. Salama, P.E. and Scott T. Dreher, BE Nov./Dec. 01, p365-375.

**Segmented elements**

Performance of Segmental and Posttensioned Bridges in Europe, Alan Moreton, BE Nov./Dec. 01, p543-555.

**Seismic analysis**

Dynamic Response of Half-Through Steel Arch Bridge Using Fiber Model, Tetsuya Nonaka and Asghar Ali, P.E., BE Nov./Dec. 01, p482-488.

Performance-Based Design Approach in Seismic Analysis of Bridges, Amy Floren and Jamshid Mohammadi, BE Jan./Feb. 01, p37-45.

**Seismic design**

Effectiveness of Seismic Isolation of a Highly Skewed P/C I-Girder Bridge, B. N. Robson, I. E. Harik and V. Gupta, BE May/June 01, p221-224.

Evaluation of Site Factors for Seismic Bridge Design in New York City Area, Sissy Nikolaou, George Mylonakis and Peter Edinger, BE Nov./Dec. 01, p564-576.

Performance-Based Design Approach in Seismic Analysis of Bridges, Amy Floren and Jamshid Mohammadi, BE Jan./Feb. 01, p37-45.

Probabilistic Seismic Demand Model for California Highway Bridges, Kevin Mackie and Božidar Stojadinović, BE Nov./Dec. 01, p468-481.

Seismic and Structural Engineering of a Curved Cable-Stayed Bridge, Abolhassan Astaneh-Asl and R. Gary Black, BE Nov./Dec. 01, p439-450.

Seismic Restraint Design Methods for Simply Supported Bridges, M. Saidi, M. Randall, E. Maragakis and T. Isakovic, BE Sept./Oct. 01, p307-315.

**Seismic isolation**

Use of Isolation for Seismic Retrofitting Bridges, Roy A. Imbsen, P.E., BE Nov./Dec. 01, p425-438.

**Seismic response**

Effect of Foundation Type and Compliance on Seismic Response of RC Bridges, Andreas J. Kappos and Anastasios G. Sextos, BE Mar./Apr. 01, p120-130.

Effectiveness of Seismic Isolation of a Highly Skewed P/C I-Girder Bridge, B. N. Robson, I. E. Harik and V. Gupta, BE May/June 01, p221-224.

Seismic Behavior and Retrofit of Outrigger Beam-Column Frames, A. Griezic, W. D. Cook and D. Mitchell, BE Sept./Oct. 01, p340-348.

Seismic Performance of RC Bridge Column under Repeated Ground Motions, S. W. Park, W. P. Yen, J. D. Cooper and J. D. O'Fallon, BE Nov./Dec. 01, p461-467.

**Service loads**

Behavior of Composite Bridge Decks with Alternative Shear Connectors, Christopher Higgins and Heath Mitchell, BE Jan./Feb. 01, p17-22.

**Shear**

Shear Retrofit of Flared RC Bridge Columns Subjected to Earthquakes, M. Saidi Saidi, Nadim I. Wehbe, David H. Sanders and Cory J. Caywood, BE May/June 01, p189-197.

**Shear strength**

Strength and Serviceability of FRP Grid Reinforced Bridge Decks, Joseph Robert Yost and Edwin R. Schmeckpeper, BE Nov./Dec. 01, p605-612.

**Ship bridge collisions**

Statewide Vessel Collision Design for Bridges, Chunhua Liu and Ton-Lo Wang, BE May/June 01, p213-219.

**Site selection**

Evaluation of Site Factors for Seismic Bridge Design in New York City Area, Sissy Nikolaou, George Mylonakis and Peter Edinger, BE Nov./Dec. 01, p564-576.

**Skewness**

Live-Load Distribution Factors in Prestressed Concrete Girder Bridges, Paul J. Barr, Marc O. Eberhard and John F. Stanton, BE Sept./Oct. 01, p298-306.

**Slabs**

Alternative Layout for the Prestressing of Slab Bridges, L. T. Stavridis, BE Sept./Oct. 01, p324-332.

**Slip**

Neoprene Bearing Pad Slippage at Louisiana Bridges, Ernest Heymsfield, Jamie McDonald and R. Richard Arent, BE Jan./Feb. 01, p30-36.

**Soft soils**

Simplified Modeling of Bridge Response on Soft Soil to Nonuniform Seismic Excitation, George Mylonakis, Dimitri Papastamatiou, John Psycharis and Khaled Mahmoud, BE Nov./Dec. 01, p587-597.

**Soil conditions**

Frequency-Domain Analysis of Long-Span Bridges Subjected to Nonuniform Seismic Motions, Mohammed Ettouney, Adam Hapji and Ruben Gajer, BE Nov./Dec. 01, p577-586.

**Stability analysis**

Stability Analysis of Box-Girder Cable-Stayed Bridges, Hung-Shan Shu and Yang-Cheng Wang, BE Jan./Feb. 01, p63-68.

**Static loads**

Comparison of Static and Dynamic Lateral Stiffness of a Driven Pile, Edwin G. Burdette, Shahram Pezeshk, J. Harold Deatherage and David W. Goodpasture, BE Mar./Apr. 01, p131-135.

**Steel**

Dynamic Analysis of Steel Curved Box Girder Bridges, Dongzhou Huang, P.E., BE Nov./Dec. 01, p506-513.

Response and Analysis of Steel Trusses for Fatigue Truck Loading, Heather M. O'Connell and Robert J. Dexter, P.E., BE Nov./Dec. 01, p628-638.

Steel Single Box Ramp Bridges, B. O. Kuzmanović and M.R. Sanchez, BE July/Aug. 01, p250-253.

Strength and Ductility of HPS-100W I-Girders in Negative Flexure, Richard Sause and Larry A. Fahnestock, BE Sept./Oct. 01, p316-323.

**Steel beams**

Engineered Heat-Straightening Repairs: A Case Study, R. Richard Arent, P.E. and David J. Mukai, BE Mar./Apr. 01, p95-102.

**Steel columns**

Seismic Behavior of Hollow Stiffened Steel Bridge Columns, Gregory A. MacRae and Kazuhiko Kawashima, BE Mar./Apr. 01, p110-119.

**Stiffness**

Comparison of Static and Dynamic Lateral Stiffness of a Driven Pile, Edwin G. Burdette, Shahram Pezeshk, J. Harold Deatherage and David W. Goodpasture, BE Mar./Apr. 01, p131-135.

**Stochastic models**

Stochastic Model for Multilane Traffic Effects on Bridges, P. Croce and W. Salvatore, BE Mar./Apr. 01, p136-143.

**Strain measurement**

Response and Analysis of Steel Trusses for Fatigue Truck Loading, Heather M. O'Connell and Robert J. Dexter, P.E., BE Nov./Dec. 01, p628-638.

**Strength**

Strength and Ductility of RC Beams Repaired with Bonded CFRP Laminates, G. Spadea, R. N. Swamy and F. Bencardino, BE Sept./Oct. 01, p349-355.

Strengthening by Means of External Prestressing, M. A. Pisani, BE May 99, p131-135.

#### Stress analysis

Stress Spikes in Pin and Hanger System of a Truss Bridge, Sanjay Mehta, BE Mar./Apr. 01, p103-109.

#### Stress history

Stress Spikes in Pin and Hanger System of a Truss Bridge, Sanjay Mehta, BE Mar./Apr. 01, p103-109.

#### Stress measurement

Design Method of a Hanger System for Long-Span Suspension Bridge, Munenobu Kondoh, Motoi Okuda, Kouji Kawaguchi and Takefumi Yamazaki, BE May/June 01, p176-182.

#### Structural analysis

Design Method of a Hanger System for Long-Span Suspension Bridge, Munenobu Kondoh, Motoi Okuda, Kouji Kawaguchi and Takefumi Yamazaki, BE May/June 01, p176-182.

#### Structural behavior

Self-Anchored Suspension Bridges, John A. Ochsendorf and David P. Billington, BE Aug. 99, p151-156.

#### Structural design

Editorial, Khaled M. Mahmoud, P.E., BE Nov./Dec. 01, p363-364.

#### Structural reliability

Bridge Lifetime System Reliability under Multiple Limit States, Allen C. Estes and Dan M. Frangopol, BE Nov./Dec. 01, p523-528.

#### Structural safety

Bearing Replacement for Prestressed Concrete I-Girder Bridges, Sun-Kyu Park, Hyeon-yeol Kim and Jung-Hyuk Kim, BE July/Aug. 01, p271-275.

#### Substructures

Alternate Substructure Systems for Standard Highway Bridges, S. L. Billington, R. W. Barnes and J. E. Breen, BE Mar./Apr. 01, p87-94.

#### Superstructures

Effectiveness of Seismic Isolation of a Highly Skewed P/C I-Girder Bridge, B. N. Robson, I. E. Harik and V. Gupta, BE May/June 01, p221-224.

#### Tests

Full-Scale Field Failure Tests of Railway Bridge, Emmanuel "Manos" Maragakis, Bruce M. Douglas and Qingbin Chen, BE Sept./Oct. 01, p356-362.

Full-Scale Testing of Composite Plate Girders Constructed Using 485-MPa High-Performance Steel, Patrick Mans, Aaron J. Yakel, Ph.D. Candidate and Atorod Azizinamini, P.E., BE Nov./Dec. 01, p598-604.

#### Texas

Bending Fatigue of Cable Stays, J. Dowd, M. Poser, K. H. Frank, S. L. Wood and E. B. Williamson, BE Nov./Dec. 01, p639-644.

Live Load Tests of the San Antonio "Y", Carin L. Roberts-Wollmann, John E. Breen and Michael E. Kreger, BE Nov./Dec. 01, p556-563.

#### Theories

Theory and Full-Bridge Modeling of Wind Response of Cable-Supported Bridges, Nicholas P. Jones and Robert H. Scanlan, BE Nov./Dec. 01, p365-375.

#### Three-dimensional analysis

Stability Analysis of Box-Girder Cable-Stayed Bridges, Hung-Shan Shu and Yang-Cheng Wang, BE Jan./Feb. 01, p63-68.

#### Timber construction

Preservative Effect on Stress-Laminated Southern Pine Bridge Decks, Nur Yazdani, P.E., Joy Kadnar, P.E., James Kainz and Mike Ritter, P.E., BE Mar./Apr. 01, p144-153.

#### Timbers

Performance of Bridge Timber Ties under Static and Fatigue Loading, Khaled A. Soudki, Sami H. Rizkalla and A. Shakoor Uppal, BE Nov. 99, p263-268.

#### Traffic

Live Load Distribution in Girder Bridges Subject to Oversized Trucks, Sami W. Tabsh and Muna Tabatabai, BE Jan./Feb. 01, p9-16.

#### Traffic flow

Stochastic Model for Multilane Traffic Effects on Bridges, P. Croce and W. Salvatore, BE Mar./Apr. 01, p136-143.

#### Traffic models

Stochastic Model for Multilane Traffic Effects on Bridges, P. Croce and W. Salvatore, BE Mar./Apr. 01, p136-143.

#### Transverse loads

Response of Prestressed Concrete I-Girder Bridges to Live Load, Michael Schwarz and Jeffrey A. Laman, BE Jan./Feb. 01, p1-8.

#### Trucks

Live Load Distribution in Girder Bridges Subject to Oversized Trucks, Sami W. Tabsh and Muna Tabatabai, BE Jan./Feb. 01, p9-16.

Response and Analysis of Steel Trusses for Fatigue Truck Loading, Heather M. O'Connell and Robert J. Dexter, P.E., BE Nov./Dec. 01, p628-638.

#### Trusses

Response and Analysis of Steel Trusses for Fatigue Truck Loading, Heather M. O'Connell and Robert J. Dexter, P.E., BE Nov./Dec. 01, p628-638.

#### United Kingdom

London Millennium Bridge: Pedestrian-Induced Lateral Vibration, Pat Dallard, Tony Fitzpatrick, Anthony Flint, Angus Low, Roger Ridsdill Smith, Michael Willford and Mark Roche, BE Nov./Dec. 01, p412-417.

#### Vehicles

Computer-Aided Graphical Analysis of Bridges under Vehicular Loading, Amir M. Malek, P.E. and David V. Jäuregui, BE May/June 01, p207-212.

Response of Timber Bridge to Traffic Loading, Tomas Horyna, Ricardo O. Foschi and Carlos E. Ventura, BE Jan./Feb. 01, p69-77.

#### Vibration

Bending Fatigue of Cable Stays, J. Dowd, M. Poser, K. H. Frank, S. L. Wood and E. B. Williamson, BE Nov./Dec. 01, p639-644.

London Millennium Bridge: Pedestrian-Induced Lateral Vibration, Pat Dallard, Tony Fitzpatrick, Anthony Flint, Angus Low, Roger Ridsdill Smith, Michael Willford and Mark Roche, BE Nov./Dec. 01, p412-417.

#### Vibration control

Suspension Bridge Flutter for Girders with Separated Control Flaps, Truc Huynh and Palle Thoft-Christensen, BE May/June 01, p168-175.

#### Vibration damping

Evaluation of Viscous Dampers for Stay-Cable Vibration Mitigation, J. A. Main and N. P. Jones, BE Nov./Dec. 01, p385-397.

#### Vibration measurement

Ambient Vibration of Long-Span Cable-Stayed Bridge, C. C. Chang, T. Y. P. Chang and Q. W. Zhang, BE Jan./Feb. 01, p46-53.

#### Waves

Frequency-Domain Analysis of Long-Span Bridges Subjected to Nonuniform Seismic Motions, Mohammed Ettouney, Adam Hapji and Ruben Gajer, BE Nov./Dec. 01, p577-586.

#### Wind loads

Design Method of a Hanger System for Long-Span Suspension Bridge, Munenobu Kondoh, Motoi Okuda, Kouji Kawaguchi and Takefumi Yamazaki, BE May/June 01, p176-182.

Theory and Full-Bridge Modeling of Wind Response of Cable-Supported Bridges, Nicholas P. Jones and Robert H. Scanlan, BE Nov./Dec. 01, p365-375.

#### Wind speed

Suspension Bridge Flutter for Girders with Separated Control Flaps, Truc Huynh and Palle Thoft-Christensen, BE May/June 01, p168-175.

#### Wire rope

Cracking and Fracture of Suspension Bridge Wire, R. M. Maybaurl, P.E. and S. Camo, P.E., BE Nov./Dec. 01, p645-650.

#### Wood preservatives

Preservative Effect on Stress-Laminated Southern Pine Bridge Decks, Nur Yazdani, P.E., Joy Kadnar, P.E., James Kainz and Mike Ritter, P.E., BE Mar./Apr. 01, p144-153.

## AUTHOR INDEX

- Agrawal, A. K.**  
see He, W. L., BE Nov./Dec. 01, p376-384
- Ali, Asghar, P.E.**  
see Nonaka, Tetsuya, BE Nov./Dec. 01, p482-488
- Aparicio, Ángel C.**  
see Cobo del Arco, Diego, BE July/Aug. 01, p234-242
- Astaneh-Asl, Abolhassan**  
Seismic and Structural Engineering of a Curved Cable-Stayed Bridge, with R. Gary Black, BE Nov./Dec. 01, p439-450
- Avent, R. Richard**  
see Heymsfield, Ernest, BE Jan./Feb. 01, p30-36
- Avent, R. Richard, P.E.**  
Engineered Heat-Straightening Repairs: A Case Study, with David J. Mukai, BE Mar./Apr. 01, p95-102
- Aziznamin, Atorod, P.E.**  
see Mans, Patrick, BE Nov./Dec. 01, p598-604
- Barker, Michael G., P.E.**  
Quantifying Field-Test Behavior for Rating Steel Girder Bridges, BE July/Aug. 01, p254-261
- Barnes, R. W.**  
see Billington, S. L., BE Mar./Apr. 01, p87-94
- Barr, Paul J.**  
Live-Load Distribution Factors in Prestressed Concrete Girder Bridges, with Marc O. Eberhard and John F. Stanton, BE Sept./Oct. 01, p298-306
- Bencardino, F.**  
see Spadea, G., BE Sept./Oct. 01, p349-355
- Billington, David P.**  
see Ochsendorf, John A., BE Aug. 99, p151-156
- Billington, S. L.**  
Alternate Substructure Systems for Standard Highway Bridges, with R. W. Barnes and J. E. Breen, BE Mar./Apr. 01, p87-94
- Black, R. Gary**  
see Astaneh-Asl, Abolhassan, BE Nov./Dec. 01, p439-450
- Boothby, Thomas E.**  
Load Rating of Masonry Arch Bridges, BE Mar./Apr. 01, p79-86
- Breen, J. E.**  
see Billington, S. L., BE Mar./Apr. 01, p87-94
- Breen, John E.**  
see Roberts-Wollmann, Carin L., BE Nov./Dec. 01, p556-563
- Burdette, Edwin G.**  
Comparison of Static and Dynamic Lateral Stiffness of a Driven Pile, with Shahram Pezeshk, J. Harold Deatherage and David W. Goodpasture, BE Mar./Apr. 01, p131-135
- Caetano, E.**  
see Cunha, A., BE Jan./Feb. 01, p54-62
- Camo, S., P.E.**  
see Mayrbauri, R. M., P.E., BE Nov./Dec. 01, p645-650
- Casas, Joan R.**  
see Deng, Linzhong, BE July/Aug. 01, p276-284
- Caywood, Cory J.**  
see Saidi, M. Said, BE May/June 01, p189-197
- Chajes, Michael J.**  
see Miller, Trent C., BE Nov./Dec. 01, p514-522
- Chang, C. C.**  
Ambient Vibration of Long-Span Cable-Stayed Bridge, with T. Y. P. Chang and Q. W. Zhang, BE Jan./Feb. 01, p46-53
- see Zhang, Q. W., BE July/Aug. 01, p285-293
- Chang, T. Y. P.**  
see Chang, C. C., BE Jan./Feb. 01, p46-53
- Chang, T. Y. P.**  
see Zhang, Q. W., BE July/Aug. 01, p285-293
- Chen, Qingbin**  
see Maragakis, Emmanuel "Manos", BE Sept./Oct. 01, p356-362
- Choi, Youngjae**  
see Gil, Heungbae, BE May/June 01, p183-188
- Cobo del Arco, Diego**  
Preliminary Design of the Prestressed Concrete Stress Ribbon Bridge, with Ángel C. Aparicio and Antonio R. Mari, BE July/Aug. 01, p234-242
- Colla, C.**  
Radar Testing of a Masonry Composite Structure with Sand and Water Backfill, with D. M. McCann and M. C. Forde, BE July/Aug. 01, p262-270
- Cook, W. D.**  
see Griezic, A., BE Sept./Oct. 01, p340-348
- Cooper, J. D.**  
see Park, S. W., BE Nov./Dec. 01, p461-467
- Croce, P.**  
Stochastic Model for Multilane Traffic Effects on Bridges, with W. Salvatore, BE Mar./Apr. 01, p136-143
- Cunha, A.**  
Dynamic Tests on Large Cable-Stayed Bridge, with E. Caetano and R. Delgado, BE Jan./Feb. 01, p54-62
- Dallard, Pat**  
London Millennium Bridge: Pedestrian-Induced Lateral Vibration, with Tony Fitzpatrick, Anthony Flint, Angus Low, Roger Ridsdill Smith, Michael Willford and Mark Roche, BE Nov./Dec. 01, p412-417
- Deatherage, J. Harold**  
see Burdette, Edwin G., BE Mar./Apr. 01, p131-135
- Delgado, R.**  
see Cunha, A., BE Jan./Feb. 01, p54-62
- Deng, Linzhong**  
Nonlinear Flexural Behavior of Prestressed Concrete Girder Bridges, with Michel Ghosn, Ales Znidaric and Joan R. Casas, BE July/Aug. 01, p276-284
- DeWolf, John T.**  
see Fu, Yongda, BE Jan./Feb. 01, p23-29
- Dexter, Robert J.**  
Design, Specification, Installation, and Maintenance of Modular Bridge Expansion Joint Systems, with Carl B. Osberg and Mark J. Mutziger, BE Nov./Dec. 01, p529-538
- Dexter, Robert J., P.E.**  
see O'Connell, Heather M., BE Nov./Dec. 01, p628-638
- Douglas, Bruce M.**  
see Maragakis, Emmanuel "Manos", BE Sept./Oct. 01, p356-362
- Dowd, J.**  
Bending Fatigue of Cable Stays, with M. Poser, K. H. Frank, S. L. Wood and E. B. Williamson, BE Nov./Dec. 01, p639-644
- Dreher, Scott T.**  
see Jones, Michael H., BE Nov./Dec. 01, p365-375
- Du, Jinhong**  
disc. (of Strengthening by Means of External Prestressing, by M. A. Pisani, BE May 99, p131-135) with Xila Liu, BE Mar./Apr. 01, p155
- Eberhard, Marc O.**  
see Barr, Paul J., BE Sept./Oct. 01, p298-306
- Edinger, Peter**  
see Nikolaou, Sissy, BE Nov./Dec. 01, p564-576
- Eom, Junsik**  
Live Load Distribution for Steel Girder Bridges, with Andrzej S. Nowak, BE Nov./Dec. 01, p489-497
- Estes, Allen C.**  
Bridge Lifetime System Reliability under Multiple Limit States, with Dan M. Frangopol, BE Nov./Dec. 01, p523-528
- Ettouney, Mohammed**  
Frequency-Domain Analysis of Long-Span Bridges Subjected to Nonuniform Seismic Motions, with Adam Hapji and Ruben Gajer, BE Nov./Dec. 01, p577-586
- Fahnestock, Larry A.**  
see Sause, Richard, BE Sept./Oct. 01, p316-323
- Fitzpatrick, Tony**  
see Dallard, Pat, BE Nov./Dec. 01, p412-417
- Flint, Anthony**  
see Dallard, Pat, BE Nov./Dec. 01, p412-417
- Floren, Amy**  
Performance-Based Design Approach in Seismic Analysis of Bridges, with Jamshid Mohammadi, BE Jan./Feb. 01, p37-45
- Forde, M. C.**  
see Colla, C., BE July/Aug. 01, p262-270
- Foschi, Ricardo O.**  
see Horyna, Tomas, BE Jan./Feb. 01, p69-77
- Frangopol, Dan M.**  
see Estes, Allen C., BE Nov./Dec. 01, p523-528
- see Imai, Kiyohiro, BE Nov./Dec. 01, p398-411
- Frank, K. H.**  
see Dowd, J., BE Nov./Dec. 01, p639-644
- Fu, Yongda**  
Monitoring and Analysis of a Bridge with Partially Restrained Bearings, with John T. DeWolf, BE Jan./Feb. 01, p23-29
- Gajer, Ruben**  
see Ettouney, Mohammed, BE Nov./Dec. 01, p577-586
- Ghosn, Michel**  
see Deng, Linzhong, BE July/Aug. 01, p276-284
- Gil, Heungbae**  
Cable Erection Test at Pylon Saddle for Spatial Suspension Bridge, with Youngjae Choi, BE May/June 01, p183-188
- Goodpasture, David W.**  
see Burdette, Edwin G., BE Mar./Apr. 01, p131-135
- Griezic, A.**  
Seismic Behavior and Retrofit of Outrigger Beam-Column Frames, with W. D. Cook and D. Mitchell, BE Sept./Oct. 01, p340-348
- Gupta, V.**  
see Robson, B. N., BE May/June 01, p221-224
- Hapji, Adam**  
see Ettouney, Mohammed, BE Nov./Dec. 01, p577-586
- Harik, I. E.**  
see Robson, B. N., BE May/June 01, p221-224
- Hastings, Jason N.**  
see Miller, Trent C., BE Nov./Dec. 01, p514-522
- He, W. L.**  
Control of Seismically Excited Cable-Stayed Bridge Using Resetting Semiactive Stiffness Dampers, with A. K. Agrawal and K. Mahmoud, BE Nov./Dec. 01, p376-384
- Heymsfield, Ernest**  
Neoprene Bearing Pad Slippage at Louisiana Bridges, with Jamie McDonald and R. Richard Avent, BE Jan./Feb. 01, p30-36
- Higgins, Christopher**  
Behavior of Composite Bridge Decks with Alternative Shear Connectors, with Heath Mitchell, BE Jan./Feb. 01, p17-22
- Horyna, Tomas**  
Response of Timber Bridge to Traffic Loading, with Ricardo O. Foschi and Carlos E. Ventura, BE Jan./Feb. 01, p69-77
- Huang, Dongzhou, P.E.**  
Dynamic Analysis of Steel Curved Box Girder Bridges, BE Nov./Dec. 01, p506-513
- Huynh, Truc**  
Suspension Bridge Flutter for Girders with Separated Control Flaps, with Palle Thoft-Christensen, BE May/June 01, p168-175
- Imai, Kiyohiro**  
Reliability-Based Assessment of Suspension Bridges: Application to the Innoshima Bridge, with Dan M. Frangopol, BE Nov./Dec. 01, p398-411
- Imbsen, Roy A., P.E.**  
Use of Isolation for Seismic Retrofitting Bridges, BE Nov./Dec. 01, p425-438
- Isakovic, T.**  
see Saidi, M., BE Sept./Oct. 01, p307-315
- Issa, Mousa**  
see Tawfiq, Kamal, BE May/June 01, p198-206
- Jáuregui, David V.**  
see Malek, Amir M., P.E., BE May/June 01, p207-212
- Jones, Michael H.**  
BART SFO Extension Aerial Guideways: Using Nonlinear Analysis to Control and Minimize Seismic Damage, with Ayman E. Salama, P.E. and Scott T. Dreher, BE Nov./Dec. 01, p365-375



- Jones, N. P.**  
see Main, J. A., BE Nov./Dec. 01, p385-397
- Jones, Nicholas P.**  
Theory and Full-Bridge Modeling of Wind Response of Cable-Supported Bridges, with Robert H. Scanlan, BE Nov./Dec. 01, p365-375
- Kadnar, Joy, P.E.**  
see Yazdani, Nur, P.E., BE Mar./Apr. 01, p144-153
- Kainz, James**  
see Yazdani, Nur, P.E., BE Mar./Apr. 01, p144-153
- Kappos, Andreas J.**  
Effect of Foundation Type and Compliance on Seismic Response of RC Bridges, with Anastasios G. Sextos, BE Mar./Apr. 01, p120-130
- Kawaguchi, Kouji**  
see Kondoh, Munenobu, BE May/June 01, p176-182
- Kawashima, Kazuhiko**  
see MacRae, Gregory A., BE Mar./Apr. 01, p110-119
- Kennedy, John B.**  
see Sennah, Khaled M., BE May/June 01, p159-167
- Kim, Hyeong-Yeol**  
see Park, Sun-Kyu, BE July/Aug. 01, p271-275
- Kim, Jung-Hyuk**  
see Park, Sun-Kyu, BE July/Aug. 01, p271-275
- Kitagawa, Makoto**  
Assessment of Cable Maintenance Technologies for Honshu-Shikoku Bridges, with Shuichi Suzuki and Motoi Okuda, BE Nov./Dec. 01, p418-424
- Kondoh, Munenobu**  
Design Method of a Hanger System for Long-Span Suspension Bridge, with Motoi Okuda, Kouji Kawaguchi and Takefumi Yamazaki, BE May/June 01, p176-182
- Kreger, Michael E.**  
see Roberts-Wollmann, Carin L., BE Nov./Dec. 01, p556-563
- Kuzmanović, B. O.**  
Steel Single Box Ramp Bridges, with M.R. Sanchez, BE July/Aug. 01, p250-253
- Laman, Jeffrey A.**  
see Schwarz, Michael, BE Jan./Feb. 01, p1-8
- Liu, Chunhua**  
Statewide Vessel Collision Design for Bridges, with Ton-Lo Wang, BE May/June 01, p213-219
- Liu, Xila**  
see Du, Jinsheng, (disc), BE May 99, p131-135
- Low, Angus**  
see Dallard, Pat, BE Nov./Dec. 01, p412-417
- Mackie, Kevin**  
Probabilistic Seismic Demand Model for California Highway Bridges, with Božidar Stojadinović, BE Nov./Dec. 01, p468-481
- MacRae, Gregory A.**  
Seismic Behavior of Hollow Stiffened Steel Bridge Columns, with Kazuhiko Kawashima, BE Mar./Apr. 01, p110-119
- Mahmoud, K.**  
see He, W. L., BE Nov./Dec. 01, p376-384
- Mahmoud, Khaled**  
see Mylonakis, George, BE Nov./Dec. 01, p587-597
- Mahmoud, Khaled M., P.E.**  
Editorial, BE Nov./Dec. 01, p363-364
- Main, J. A.**  
Evaluation of Viscous Dampers for Stay-Cable Vibration Mitigation, with N. P. Jones, BE Nov./Dec. 01, p385-397
- Malek, Amir M., P.E.**  
Computer-Aided Graphical Analysis of Bridges under Vehicular Loading, with David V. Juregui, BE May/June 01, p207-212
- Mans, Patrick**  
Full-Scale Testing of Composite Plate Girders Constructed Using 485-MPa High-Performance Steel, with Aaron J. Yakel, Ph.D. Candidate and Atorod Azizinami, P.E., BE Nov./Dec. 01, p598-604
- Maragakis, E.**  
see Saidi, M., BE Sept./Oct. 01, p307-315
- Maragakis, Emmanuel "Manos"**  
Full-Scale Field Failure Tests of Railway Bridge, with Bruce M. Douglas and Qingbin Chen, BE Sept./Oct. 01, p356-362
- Mari, Antonio R.**  
see Cobo del Arco, Diego, BE July/Aug. 01, p234-242
- Mayrbaur, R. M., P.E.**  
Cracking and Fracture of Suspension Bridge Wire, with S. Camo, P.E., BE Nov./Dec. 01, p645-650
- McCann, D. M.**  
see Colla, C., BE July/Aug. 01, p262-270
- McDonald, Jamie**  
see Heymsfield, Ernest, BE Jan./Feb. 01, p30-36
- Mehta, Sanjay**  
Stress Spikes in Pin and Hanger System of a Truss Bridge, BE Mar./Apr. 01, p103-109
- Mertz, Dennis R.**  
Editor's Note, BE Sept./Oct. 01, p297  
see Miller, Trent C., BE Nov./Dec. 01, p514-522
- Mertz, Dennis R., P.E.**  
Editor's Note, BE July/Aug. 01, p226  
New Editor and Associate Editors Sought, Journal of Bridge Engineering, BE July/Aug. 01, p226
- Miller, Maurice D.**  
Durability of Segmental Concrete Bridges, BE Nov./Dec. 01, p514-522
- Miller, Trent C.**  
Strengthening of a Steel Bridge Girder Using CFRP Plates, with Michael J. Chajes, Dennis R. Mertz and Jason N. Hastings, BE Nov./Dec. 01, p514-522
- Mitchell, D.**  
see Griezic, A., BE Sept./Oct. 01, p340-348
- Mitchell, Heath**  
see Higgins, Christopher, BE Jan./Feb. 01, p17-22
- Mohammadi, Jamshid**  
see Floren, Amy, BE Jan./Feb. 01, p37-45
- Moreton, Alan**  
Performance of Segmental and Posttensioned Bridges in Europe, BE Nov./Dec. 01, p543-555
- Moulds, Bruce A.**  
Design Considerations for Aircraft Bridges, BE Nov./Dec. 01, p498-505
- Mtenga, Primus**  
see Tawfiq, Kamal, BE May/June 01, p198-206
- Mufti, A. A., P.E.**  
see Thorburn, J., P.E., BE July/Aug. 01, p243-249
- Mukai, David J.**  
see Avent, R. Richard, P.E., BE Mar./Apr. 01, p95-102
- Mutziger, Mark J.**  
see Dexter, Robert J., BE Nov./Dec. 01, p529-538
- Mylonakis, George**  
Simplified Modeling of Bridge Response on Soft Soil to Nonuniform Seismic Excitation, with Dimitri Papastamatiou, John Psycharis and Khaled Mahmoud, BE Nov./Dec. 01, p587-597  
see Nikolaou, Sissy, BE Nov./Dec. 01, p564-576
- Nikolaou, Sissy**  
Evaluation of Site Factors for Seismic Bridge Design in New York City Area, with George Mylonakis and Peter Edinger, BE Nov./Dec. 01, p564-576
- Nonaka, Tetsuya**  
Dynamic Response of Half-Through Steel Arch Bridge Using Fiber Model, with Asghar Ali, P.E., BE Nov./Dec. 01, p482-488
- Nowak, Andrzej S.**  
see Eom, Junsik, BE Nov./Dec. 01, p489-497
- Ochsendorf, John A.**  
Self-Anchored Suspension Bridges, with David P. Billington, BE Aug. 99, p151-156  
disc: Gregor P. Wollmann, BE Mar./Apr. 01, p156-158  
clo: BE Mar./Apr. 01, p158
- O'Connell, Heather M.**  
Response and Analysis of Steel Trusses for Fatigue Truck Loading, with Robert J. Dexter, P.E., BE Nov./Dec. 01, p628-638
- O'Fallon, J. D.**  
see Park, S. W., BE Nov./Dec. 01, p461-467
- Okuda, Motoi**  
see Kitagawa, Makoto, BE Nov./Dec. 01, p418-424  
see Kondoh, Munenobu, BE May/June 01, p176-182
- Osberg, Carl B.**  
see Dexter, Robert J., BE Nov./Dec. 01, p529-538
- Papastamatiou, Dimitri**  
see Mylonakis, George, BE Nov./Dec. 01, p587-597
- Park, S. W.**  
Seismic Performance of RC Bridge Column under Repeated Ground Motions, with W. P. Yen, J. D. Cooper and J. D. O'Fallon, BE Nov./Dec. 01, p461-467
- Park, Sun-Kyu**  
Bearing Replacement for Prestressed Concrete I-Girder Bridges, with Hyeong-Yeol Kim and Jung-Hyuk Kim, BE July/Aug. 01, p271-275
- Pezeshk, Shahram**  
see Burdette, Edwin G., BE Mar./Apr. 01, p131-135
- Pisani, M. A.**  
Strengthening by Means of External Prestressing, BE May 99, p131-135  
disc: Jinsheng Du and Xila Liu, BE Mar./Apr. 01, p155  
clo: BE Mar./Apr. 01, p155-156
- Poser, M.**  
see Dowd, J., BE Nov./Dec. 01, p639-644
- Psycharis, John**  
see Mylonakis, George, BE Nov./Dec. 01, p587-597
- Randall, M.**  
see Saidi, M., BE Sept./Oct. 01, p307-315
- Ritter, Mike, P.E.**  
see Yazdani, Nur, P.E., BE Mar./Apr. 01, p144-153
- Rizkalla, Sami H.**  
see Soudki, Khaled A., BE Nov. 99, p263-268
- Roberts-Wollmann, Carin L.**  
Live Load Tests of the San Antonio "Y", with John E. Breen and Michael E. Kreger, BE Nov./Dec. 01, p556-563
- Robson, B. N.**  
Effectiveness of Seismic Isolation of a Highly Skewed P/C I-Girder Bridge, with I. E. Harik and V. Gupta, BE May/June 01, p221-224
- Roche, Mark**  
see Dallard, Pat, BE Nov./Dec. 01, p412-417
- Saidi, M.**  
Seismic Restraint Design Methods for Simply Supported Bridges, with M. Randall, E. Maragakis and T. Isakovic, BE Sept./Oct. 01, p307-315
- Saidi, M. Said**  
Shear Retrofit of Flared RC Bridge Columns Subjected to Earthquakes, with Nadim I. Wehbe, David H. Sanders and Cory J. Caywood, BE May/June 01, p189-197
- Salama, Ayman E., P.E.**  
see Jones, Michael H., BE Nov./Dec. 01, p365-375
- Salvatore, W.**  
see Croce, P., BE Mar./Apr. 01, p136-143
- Sanchez, M.R.**  
see Kuzmanović, B. O., BE July/Aug. 01, p250-253
- Sanders, David H.**  
see Saidi, M. Said, BE May/June 01, p189-197
- Sause, Richard**  
Strength and Ductility of HPS-100W I-Girders in Negative Flexure, with Larry A. Fahnestock, BE Sept./Oct. 01, p316-323
- Scanlan, Robert H.**  
see Jones, Nicholas P., BE Nov./Dec. 01, p365-375
- Schlaich, M.**  
Erection of Cable-Stayed Bridges Having Composite Decks with Precast Concrete Slabs, BE Sept./Oct. 01, p333-339
- Schneckpeper, Edwin R.**  
see Yost, Joseph Robert, BE Nov./Dec. 01, p605-612
- Schwarz, Michael**  
Response of Prestressed Concrete I-Girder Bridges to Live Load, with Jeffrey A. Laman, BE Jan./Feb. 01, p1-8
- Sennah, Khaled M.**  
State-of-the-Art in Design of Curved Box-Girder Bridges, with John B. Kennedy, BE May/June 01, p159-167
- Sextos, Anastasios G.**  
see Kappos, Andreas J., BE Mar./Apr. 01, p120-130
- Shu, Hung-Shan**  
Stability Analysis of Box-Girder Cable-Stayed Bridges, with Yang-Cheng Wang, BE Jan./Feb. 01, p63-68
- Smith, Roger Ridsdill**  
see Dallard, Pat, BE Nov./Dec. 01, p412-417
- Soudki, Khaled A.**  
Performance of Bridge Timber Ties under Static and Fatigue Loading, with Sami H. Rizkalla and A. Shakoor Uppal, BE Nov. 99, p263-268  
disc: R. A. P. Sweeney, BE July/Aug. 01, p295  
clo: BE July/Aug. 01, p295

- Spadea, G.**  
Strength and Ductility of RC Beams Repaired with Bonded CFRP Laminates, with R. N. Swamy and F. Bencardino, BE Sept./Oct. 01, p349-355
- Stanton, John F.**  
see Barr, Paul J., BE Sept./Oct. 01, p298-306
- Stavridis, L. T.**  
Alternative Layout for the Prestressing of Slab Bridges, BE Sept./Oct. 01, p324-332
- Stojadinović, Božidar**  
see Mackie, Kevin, BE Nov./Dec. 01, p468-481
- Suzuki, Shuichi**  
see Kitagawa, Makoto, BE Nov./Dec. 01, p418-424
- Swamy, R. N.**  
see Spadea, G., BE Sept./Oct. 01, p349-355
- Sweeney, R. A. P.**  
disc. (of Performance of Bridge Timber Ties under Static and Fatigue Loading, by Khaled A. Soudki, Sami H. Rizkalla and A. Shakoor Uppal, BE Nov. 99, p263-268), BE July/Aug. 01, p295
- Tabatabai, Muna**  
see Tabsh, Sami W., BE Jan./Feb. 01, p9-16
- Tabsh, Sami W.**  
Live Load Distribution in Girder Bridges Subject to Oversized Trucks, with Muna Tabatabai, BE Jan./Feb. 01, p9-16
- Tawfiq, Kamal**  
Effect of Grouting Pressure in Posttensioned Bulbtee Girders, with Primus Mtenga and Mousa Issa, BE May/June 01, p198-206
- Thoft-Christensen, Palle**  
see Huynh, Truc, BE May/June 01, p168-175
- Thorburn, J., P.E.**  
Design Recommendations for Externally Restrained Highway Bridge Deck, with A. A. Mufti, P.E., BE July/Aug. 01, p243-249
- Uppal, A. Shakoor**  
see Soudki, Khaled A., BE Nov. 99, p263-268
- Ventura, Carlos E.**  
see Horyna, Tomas, BE Jan./Feb. 01, p69-77
- Wang, Ton-Lo**  
see Liu, Chunhua, BE May/June 01, p213-219
- Wang, Yang-Cheng**  
see Shu, Hung-Shan, BE Jan./Feb. 01, p63-68
- Wehbe, Nadim I.**  
see Saidi, M. Said, BE May/June 01, p189-197
- Willford, Michael**  
see Dallard, Pat, BE Nov./Dec. 01, p412-417
- Williamson, E. B.**  
see Dowd, J., BE Nov./Dec. 01, p639-644
- Wollmann, Gregor P.**  
Preliminary Analysis of Suspension Bridges, BE July/Aug. 01, p227-233  
disc. (of Self-Anchored Suspension Bridges, by John A. Ochsendorf and David P. Billington, BE Aug. 99, p151-156), BE Mar./Apr. 01, p156-158
- Wood, S. L.**  
see Dowd, J., BE Nov./Dec. 01, p639-644
- Yakel, Aaron J., Ph.D. Candidate**  
see Mans, Patrick, BE Nov./Dec. 01, p598-604
- Yamazaki, Takefumi**  
see Kondoh, Munenobu, BE May/June 01, p176-182
- Yazdani, Nur, P.E.**  
Preservative Effect on Stress-Laminated Southern Pine Bridge Decks, with Joy Kadnar, P.E., James Kainz and Mike Ritter, P.E., BE Mar./Apr. 01, p144-153
- Yen, W. P.**  
see Park, S. W., BE Nov./Dec. 01, p461-467
- Yost, Joseph Robert**  
Strength and Serviceability of FRP Grid Reinforced Bridge Decks, with Edwin R. Schmeckpeper, BE Nov./Dec. 01, p605-612
- Zhang, Q. W.**  
Finite-Element Model Updating for the Kap Shui Mun Cable-Stayed Bridge, with T. Y. P. Chang and C. C. Chang, BE July/Aug. 01, p285-293  
see Chang, C. C., BE Jan./Feb. 01, p46-53
- Znidaric, Ales**  
see Deng, Linzhong, BE July/Aug. 01, p276-284

